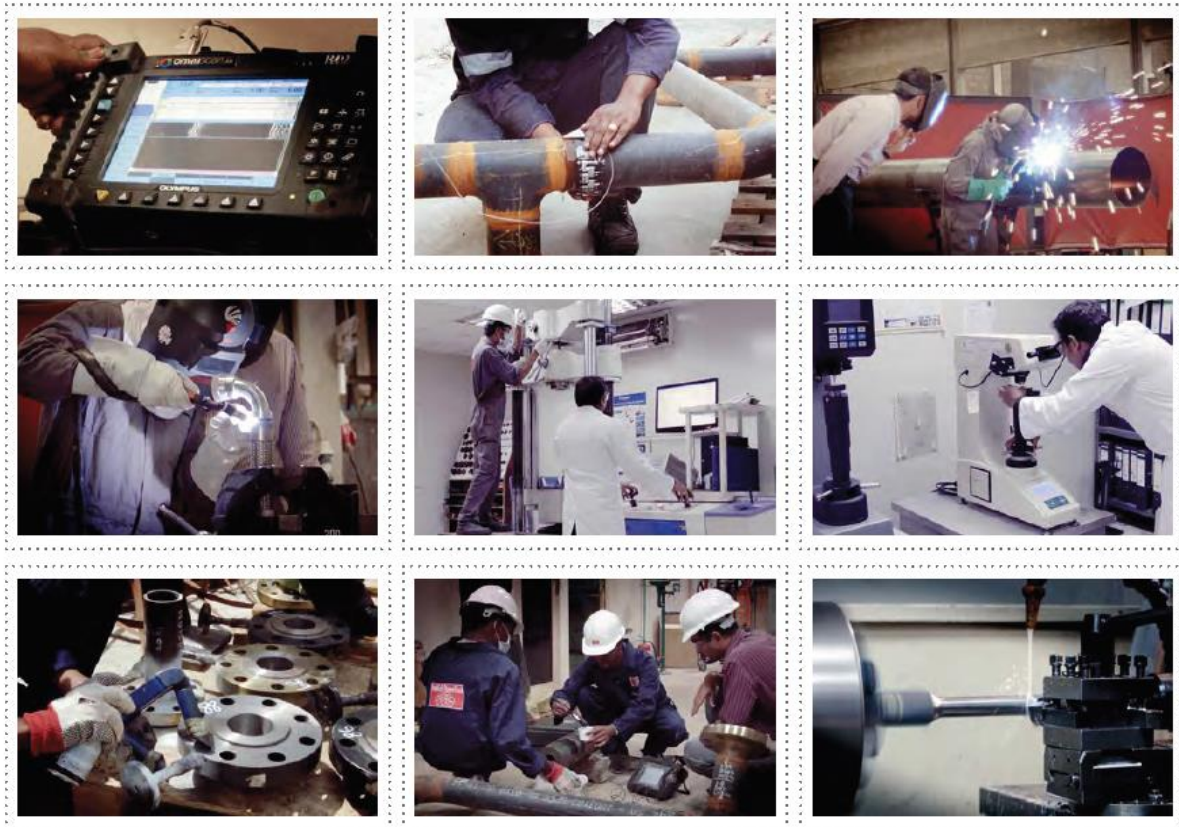


PRE-QUALIFICATION DOCUMENT



INDOGULF INSPECTION AND TESTING SERVICES



الإتاقا

مركز الإمارات العالمي للاعتماد
Emirates International Accreditation Centre
110 - IB & 101-LB-TEST

ISO 9001: 2015
BS OHSAS 18001: 2007

BUREAU VERITAS
Certification



P.O. Box: 390061
Dubai
United Arab Emirates
Tel: 04-8849422
Fax: 04-8849424

P.O. Box: 126842
Abu Dhabi
United Arab Emirates
Tel: 02-5512396
Fax: 02-5512397

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INTRODUCTION

COMPANY PROFILE



Indogulf Inspection & Testing Services, established by a group of professional experts in inspection & testing field have facilities in Dubai, Abu Dhabi and representative offices in Oman, Saudi & Singapore intending to reach clients all over and around the GCC.

The services provided by **INDOGULF** can be briefed as Non-Destructive Testing, Destructive Tests-Mechanical Testing & Metallurgical Services Chemical Analysis & Corrosion Tests, Inspection services in welding, Painting, Quality Assurance. These services can be benefited by clients belonging to various industrial sectors namely, Oil & Gas, Petrochemical, Pipeline, Fabrication, Marine applications, Construction etc.

INDOGULF is committed to provide timely, efficient services with high regard to technical expertise, quality and compliance with Environmental, occupational health and safety management system by building and maintaining a customer oriented culture. We keep in pace with the latest developments in technology by evaluating and incorporating methods of testing to provide consistent and efficient services.

MISSION & VISION

OUR MISSION

To provide courteous, affordable, technical services which will meet or exceed our customer needs and expectation of price, quality and versatility of service with the support of full-fledged facility, well established quality systems, organized management team, motivated, well trained & skilled employees and accreditations from globally recognized certification bodies.

We will continually strive for excellence by adopting latest technologies in test & inspection methods and providing the employees with opportunities for learning and personal growth by encouraging them to be creative & innovative. IGTS is committed to adhere to the federal laws and decrees of local government with regard to health, safety & environmental issues to provide a safe working environment.



OUR VISION

To stay ahead of the competition by offering high quality services that provide strategic value to customer expectations & establish all over and around GCC as the most preferred laboratory in the field of inspection and testing.



**“ Customer satisfaction
is what we aspire for ”**

QUALITY POLICY & HSE POLICY

OUR QUALITY POLICY

INDOGULF is dedicated to

- Provide timely, reliable, cost efficient and quality testing and inspection services.
- Fulfill the needs and expectations of customers.
- INDOGULF management and its personnel are committed to meet the applicable statutory and regulatory requirements with the help of well-established quality management system committed to comply with ISO 9001:2015, ISO / IEC 17025:2017 & ISO / IEC 17020:2012.
- Set measurable objectives and targets and review it periodically to ensure the effectiveness of the performance of the Quality Management System.
- Policy will be communicated and understood within the organization and available to public.



INDOGULF focus on

- Enhancing customer satisfaction through continual improvement of the effectiveness of the quality management system.
- Strengthening the company with motivated employees, dedicated management team and good working environment.

IGTS is committed to promote awareness of quality policy & quality objectives among all employees through training and awareness programs and implement the established management system in all activities of the organization.

QUALITY MANAGEMENT SYSTEM



The quality management system of IGTS follows the guidelines and requirements of ISO 9001:2015, OHSAS 18001:2007, ISO 17020:2012 and ISO 17025:2017 - General requirements for the competency of testing and calibration laboratories. We adhere to the rules established by the government and local authorities and work closely with industrial and professional bodies. IGTS has established custom-made policies, procedures, work instructions and programs to ensure the immaculate implementation of the system in all areas of operation.

HEALTH, SAFETY POLICY

INDOGULF management and its personnel are committed in every respect to ensure that the applicable health and safety hazards and risks that affect the employees and any other persons, who may be concerned by the company's Inspection and Testing Services, are controlled.

To achieve this, INDOGULF will:

- Comply with all applicable U.A.E. laws and regulations, international standards and relevant best practices.
- Providing safe and healthy working condition for the Prevention of work-related ill health and injuries.
- Identify the applicable hazards and risks, document and implement the control measures.
- Generate continual effort for the prevention of accidents, injuries, occupational illness and harmful effects to the environment.
- Set measurable objectives and targets and review it periodically to ensure the effectiveness of the performance of the HSE management system.
- Policy will be communicated and understood within the organization and available to public.
- Ensuring consultation and participation of workers and workers representatives.
- Identify, assess, eliminate, minimize or control of environmental aspects, and elimination of hazards to reduce OHS risks pertaining to all areas of operations, activities, products and services.

It is the duty of the employees to:

- Comply with the HSE policy and procedures at all times.
- Prevent injury to themselves, other employees and the public at large.
- Report accurately and immediately on the occupational ill health, accidents or near miss incidents.



ENVIRONMENTAL POLICY

- INDOGULF management and its personnel are fully committed to comply with the laws and rules that govern us in all matters related to Environment.
- It is our duty and responsibility to maintain a sustainable standard of Environmental cleanliness.
- INDOGULF will take keen interest in all important environmental issues and make an effort to contribute our part in optimizing the use of natural resources.
- INDOGULF will carry out our activities consciously considering the effects they may have on Environment.
- INDOGULF will continually improve our Environmental management system, and ensure that our activities do not lead to pollution of the Environment.

IMPARTIALITY POLICY

INDOGULF is committed to

- INDOGULF management and its personnel are committed to ensure integrity of its management systems and operations at all times.
- INDOGULF management and its personnel also committed to acts impartially and avoids any conflict of interest that may compromise its ability to make impartial decisions

INDOGULF Ensures

- To carry out laboratory activities in a Non-discriminatory and impartially manner.
- There are no constraints that might influence decision making.
- That it does not engage in any activity which could compromise its impartiality.
- Shall not compromise impartiality due to commercial, financial or other pressures.

THE TEAM

THE TEAM

IGTS is managed by a team of qualified experts with years of hands on experience in the relevant fields and operates with three independent divisions namely Inspection, NDT, and Mechanical & Chemical departments.

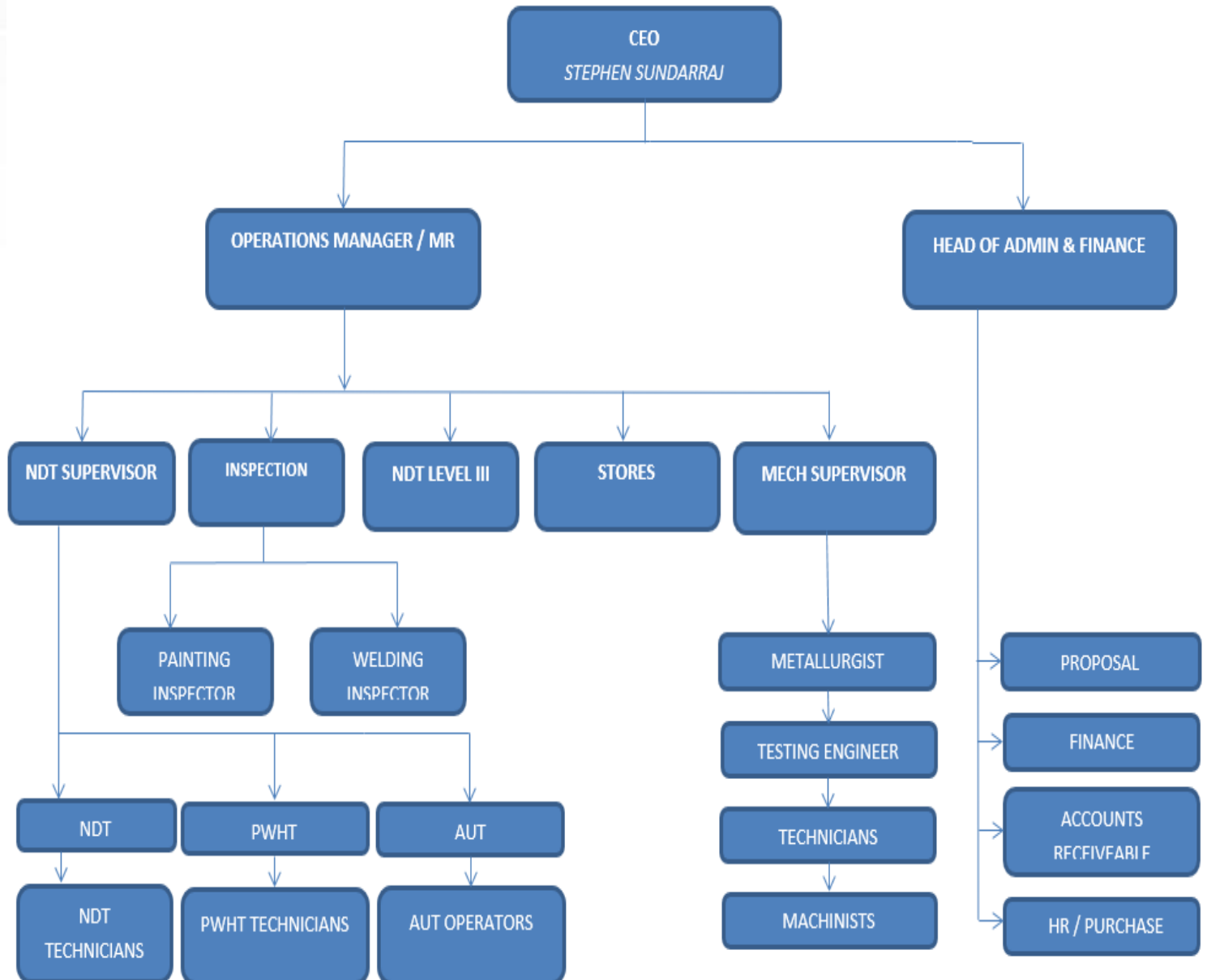
All departments are headed by designated directors/ managers with employees selected in accordance with well-defined criteria. All employees are well trained to suit the requirements of the company & customers in terms of technical competency, awareness of the quality management system in place and dedication to the allocated responsibilities. The system & people of the organization is constantly tuned to the customer needs and the managements evolving concept of service excellence.



- Consultancy in Welding Engineering and Coordination of Engineering Critical Assessment (ECA) for alternative acceptance standards.
- Technical support in Welding procedures Qualification & Welders Qualification by qualified AWS / CSWIP Professionals.
- Total Quality Management (TQM) and Quality Control in onshore / offshore construction projects.

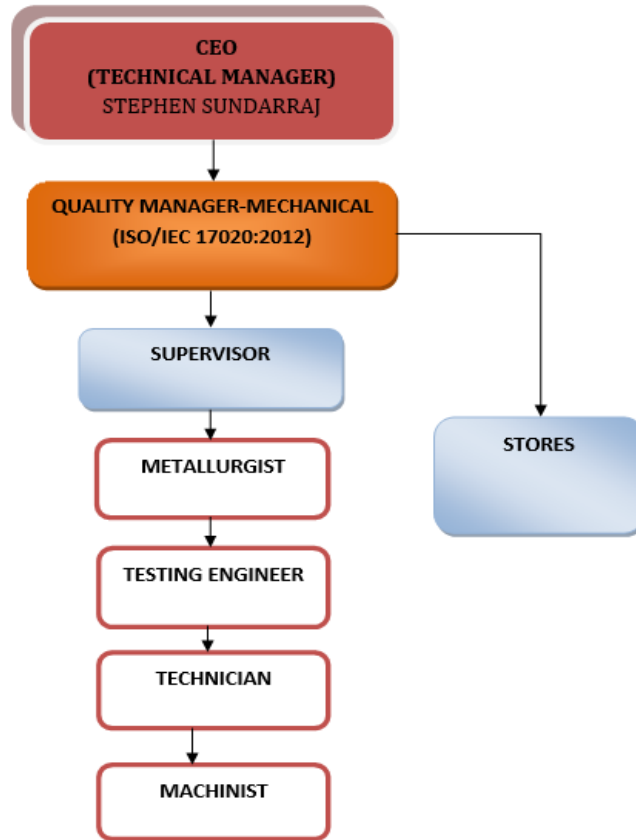
ORGANIZATIONAL CHART

ORGANIZATION CHART

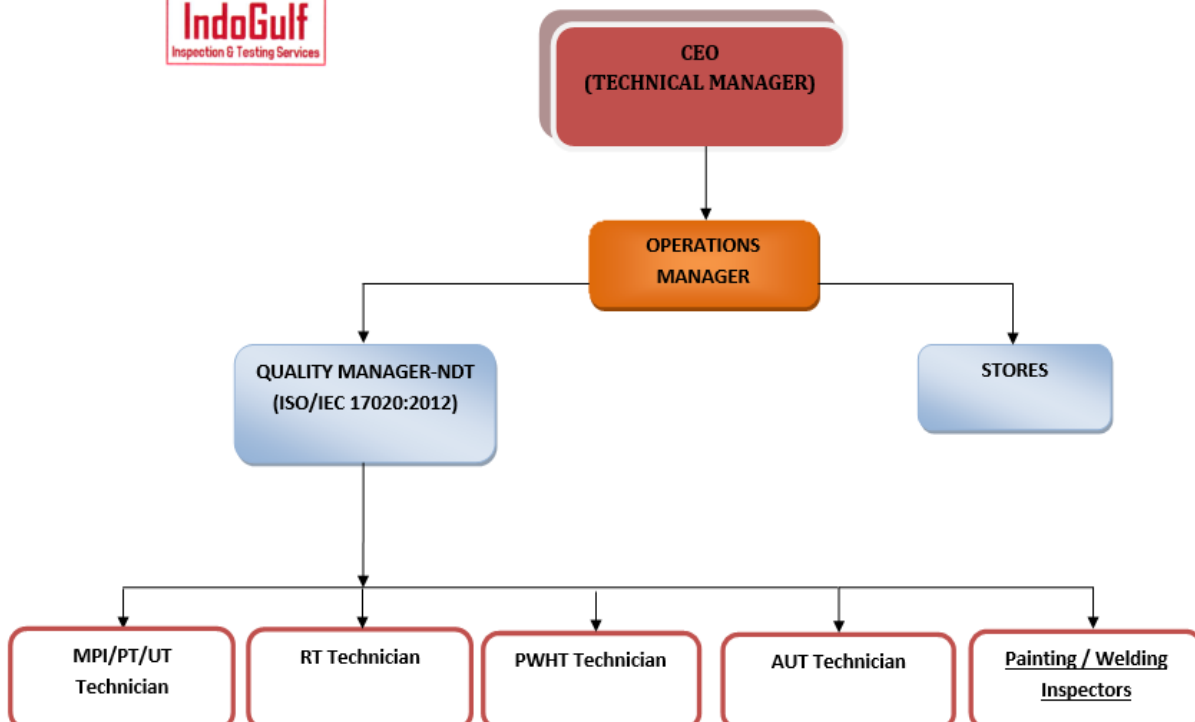




INDOGULF INSPECTION & TESTING SERVICES ORGANIZATION CHART- ISO/IEC 17025:2005



INDOGULF INSPECTION & TESTING SERVICES ORGANIZATION CHART- ISO/IEC 17020:2012



LICENSES & APPROVALS



اقتصادية دبي
DUBAI ECONOMY



رخصة مهنية Professional License

تفاصيل الرخصة / License Details

License No.	638706	رقم الرخصة
Trade Name	INDOGULF INSPECTION AND TESTING SERVICES	الإسم التجاري
Legal Type	Civil Company	الشكل القانوني
Expiry Date	28/04/2021	تاريخ الإنتهاء
Issue Date	29/04/2010	تاريخ الإصدار
D&B D-U-N-S ®	0	رقم الرخصة الام
Register No.		عضوية الغرفة
		رقم السجل التجاري
		DCCI No.
		184038

الاطراف / License Members

Share / الحصص	Role / الصفة	Nationality / الجنسية	Name / الاسم	No./ الشخص
65.00%	Partner / شريك	Singapore / سنغافورة	جوبال بالاكريشنان (65.00%)	740109
			GOPAL BALAKRISHNAN	
35.00%	Partner / شريك	India / الهند	ستيفن سوندراج سوندراج (35.00%)	324833
			STEPHEN SUNDARRAJ SUNDARRAJ	
	Manager / مدير	India / الهند	ستيفن سوندراج سوندراج	324833
			STEPHEN SUNDARRAJ SUNDARRAJ	
	Agent / وكيل خدمات	United Arab Emirates / الامارات	عادل عبدالكريم محمد عبدالكريم الزرعوني	64784
			ADEL ABDULKARIM MOHAMMAD A ALZAROONI	

نشاط الرخصة التجارية / License Activities

Physical & Mechanical Testing Laboratory	مختبر للفحوص الميكانيكية والفيزيائية
Nondestructive Testing Services	خدمات الفحص اللاإتلافي
Pipelines Testing Services	فحص خطوط الانابيب ومعالجتها
Chemical & Biological Laboratory	مختبر تحاليل كيمائية وبيولوجية

العنوان / Address

Phone No	4-971-8849422	تليفون	P.O. Box	390061	صندوق بريد
Fax No	4-971-8849424	فاكس	Parcel ID	599-1111	رقم القطعة
Mobile No	50-50-4556183	هاتف متحرك			مستودع رقم 22+23 ملك علي ناصر لوتاه - بر دبي - جبل علي الصناعي الاولى

ملاحظات / Remarks

تم السحب شريك في 3/6/2014

Print Date 10/05/2020 10:36 تاريخ الطباعة

Receipt No.

13528000

رقم الإيصال

يمكنك الآن تجديد رخصتك التجارية من خلال الرسائل النصية القصيرة، أرسل رقم الرخصة إلى 6969 (دو/ اتصالات) للحصول على إذن الدفع.
Now you can renew your trade license by sending a text message (SMS). Send your trade license number to 6969 (Du/ Etisalat) to receive payment voucher.

وثيقة إلكترونية معتمدة وصادرة بدون توقيع من دائرة التنمية الاقتصادية، لمراجعة صحة البيانات الواردة في الرخصة برجاء زيارة الموقع www.dubaided.gov.ae
Approved electronic document issued without signature by the Department of Economic Development. To verify the license kindly visit www.dubaided.gov.ae

مركز أبوظبي للأعمال
Abu Dhabi Business Center



دائرة التنمية الاقتصادية
DEPARTMENT OF ECONOMIC DEVELOPMENT



Commercial License

رخصة تجارية

License No	:	CN-1191414	:	رقم الرخصة
ADCCI No	:	284755	:	عضوية الغرفة
Establishment Card MOHRE	:		:	وزارة الموارد البشرية والتوطين بطاقة المنشأة
Establishment Card GDRFA	:		:	الإدارة العامة للإقامة وشؤون الأجناب - بطاقة المنشأة
Legal Form	:	Limited Liability Company	:	شركة ذات مسؤولية محدودة
	:		:	الاسم التجاري
Trade Name	:	INDOGULF INSPECTION & TESTING SERVICES L.L.C.	:	تاريخ تأسيس المنشأة
Establishment Date	:	10/10/2010	:	تاريخ الإصدار
Issue Date	:	20/07/2020	:	تاريخ الانتهاء
Expiry Date	:	19/07/2021	:	

الصفة Role	الجنسية Nationality	المالك / الشركاء Owners / Partners	الرمز No.
شريك Partner	الإمارات العربية المتحدة United Arab Emirates	سالم محمد سيف حضلول المحيربي SALEM MOHAMED SAIF HANDHOOL ALMEHAIRBI	20108959
شريك Partner	الهند India	بوشبراج سامي نادار PUSHRAJ SAMY NADAR	41267999

Commercial Activities : الأنشطة التجارية
 - Pipelines Testing and Treatment Services فحص خطوط الأنابيب ومعالجتها
 - Onshore And Offshore Oil And Gas Fields And Facilities Services خدمات حقول ومنشآت النفط والغاز البرية والبحرية
Address : العنوان
 مصنفح, م 4 - ق 12 - مكتب 47, مبنى الحيل القلبيضة
 (تم تحصيل رسوم خدمات النطاق المدني)

وثيقة معتمدة وصغيرة بدون توقيع أو ختم من دائرة التنمية الاقتصادية - أبوظبي. للتحقق من صحة البيانات الواردة في الرخصة برجاء زيارة الموقع <http://www.ded.abudhabi.ae>
 Approved document issued without signature or stamp by the Department of Economic Development - Abu Dhabi. To verify the license kindly visit <http://www.ded.abudhabila.e>

Official Email : INDOGULF@gmail.com **البريد الإلكتروني الرسمي :**
Official Mobile : 971554159861 **رقم التواصل الرسمي :**





غرفة أبوظبي
ABU DHABI CHAMBER

TO WHOM IT MAY CONCERN

Ref No. : DC0000009715

Date : 18/8/2020

Abu Dhabi Chamber of Commerce & Industry, after perusal of its records, hereby certify that:

Name : INDOGULF INSPECTION & TESTING SERVICES L.L.C.

Economic Dep No : CN-1191414

Unified Number : 284755

Registration date : 11/10/2010

Expiry Date : 20/7/2021

Legal Form : Limited Liability Co

P.O.BOX : 51144

City : Abu Dhabi

Email : prowokk1844@gmail.com

Website :

LandLine Phone : 6664363

Mobile Phone : 971501844989

Owners / Partners / Sponsor

Name	Nationality	Emirates Id / Passport number	Participation	Share %
Salem Mohamed Saif Handhool Almehairbi	U.A.E	G41J68551	Partner / شريك	51.00
PUSHPRAJ SAMY NADAR	India	784-1974-9621613-2	Partner / شريك	49.00

Business Activity

- On-shore And Off-shore Oil And Gas Fields And Facilities Services
- Pipelines Testing and Treatment Services

This Certificate is issued upon request of the above-name without any responsibility or liability on the Abu Dhabi Chamber of Commerce and Industry



مستند صادر من غرفة أبوظبي-دولة الإمارات العربية المتحدة، ولمزيد من التحقق الرجاء زيارة الرابط

Document issued by Abu Dhabi Chamber-United Arab Emirates, for further verification please visit our website
<https://digital.abudhabichamber.ae/Portal/#/certificate-validation>

محمد هادي

Mohammed H. Al Mheiri
Director General

الغرفة الرقمية

The Digital chamber

معاً نحو مستقبل مزدهر
Together towards a prosperous future

شهادة تسجيل العضوية

Membership Certificate

License no. 638706

Membership no. 184038

Registration no. 0

Trade Name INDOGULF INSPECTION AND TESTING SERVICES

Legal Status Professional Company (Civil)

Activity Chemical and biological laboratory * Pipelines testing services *
Physical and mechanical testing laboratory * Nondestructive testing services

Member Since 23/06/2010

Date of Issue 14/06/2020

Expiry Date 28/04/2021

رقم الرخصة 638706

رقم العضوية 184038

رقم السجل التجاري 0

الاسم التجاري اندوگولف انسبيكشن اند تيمستيچ سيرفيسيز

الشكل القانوني شركة مهنية (مدنية)

نوع النشاط مختبر تحليل كيميائية وبيولوجية * فحص خطوط الأنابيب ومعالجتها * مختبر
فحص ميكانيكية وفيزيائية * خدمات الفحص للتآكل

تاريخ الانضمام 23/06/2010

تاريخ الإصدار 14/06/2020

تاريخ الانتهاء 28/04/2021

Remarks

This certificate shall be invalid incase of any alteration without chamber's authorization

For online verification of this Certificate, please visit our website
<http://www.dubaichamber.com/verify>

غرفة تجارة وصناعة دبي
Dubai Chamber of Commerce & Industry

P.O. Box 1457 - Dubai, U.A.E. | Tel (Within UAE) 800 CHAMBER (800 2426237) | Tel (Outside UAE) (+971) 4 2280000 | هاتف
فاكس (+971) 4 2211646 | customercare@dubaichamber.ae | www.dubaichamber.ae

الملاحظات

تعتبر هذه الشهادة لاغية في حال أي كسب أو تعديل عليها دون
اعتماد ذلك من الغرفة

للتأكد من صحة بيانات الشهادة يرجى الرجوع إلى موقع الغرفة
<http://www.dubaichamber.com/verify>

تصريح مزاولة نشاط Work Activity Permit

تاريخ الإصدار: 2020/09/01

بيانات جهة تقييم المطابقة		Details of Conformity Assessment Body (CAB)	
اسم المؤسسة:	اندو جلف انسبيكشن آند تيسينج سيرفيسيز	CAB Name:	Indogulf inspection and testing services
العنوان:	مستودع رقم 23+22 ملك علي ناصر لوتاه - بر دبي - جبل علي الصناعية الأولى	Address:	
رقم الرخصة / License no.:	638706	Issued Date/ تاريخ إصدارها:	29/04/2010
الهاتف / Tel. No.:	050-4556183	E Mail/ البريد الإلكتروني:	irshad@indogulf.ae
النشاط:	<input checked="" type="checkbox"/> مختبر Laboratory <input checked="" type="checkbox"/> جهة تفتيش Inspection Body <input type="checkbox"/> جهات منح الشهادات Certification Body	Activity:	
رقم التسجيل:	638706	Registered No.:	
صلاحية التصريح:	من 2020 / 09 / 01 إلى 2021 / 08 / 31	Permission Validity:	
المجالات المصرح لها:	<ul style="list-style-type: none"> مختبر للخصائص الميكانيكية و الفيزيائية فحص خطوط الأنابيب ومعالجتها خدمات الفحص اللاإتلافي 	Scopes Authorized:	<ul style="list-style-type: none"> physical & Mechanical testing laboratory Nondestructive testings services Pipelines testing services

تم إصدار هذا التصريح بعد الكشف والتدقيق والتأكد مما يلي:

This permission was issued after conducting the compliance audit and ensuring the following:

- Compliance with the requirements of Law No. 2/2010 and its Administrative Order no. 267/ 2011 regarding organizing the work of conformity assessment bodies operating in the Emirate of Dubai,
- Compliance with all conditions and instructions issued by the Emirates International Accreditation Centre.

- استيفاء متطلبات التشغيل وفقاً للنظام رقم 2010/2 ولائحته التنفيذية الصادرة بالقرار الإداري رقم (267) لسنة 2011 بشأن تنظيم أعمال جهات تقييم المطابقة في إمارة دبي.
- الالتزام بجميع الاشتراطات والتعليمات الصادرة من مركز الإمارات العالمي للاعتماد

Notes:

- This permission applies only to the scopes mentioned above.
- The validity of this permission is one year only and it should be renewed for the non accredited conformity bodies before 15 days from the date of expired.
- It is not permitted for the Conformity Assessment Body to practice activities or to use EIAC Accreditation Symbol where accreditation is mandatory unless it is accredited by EIAC

For more information about the Mandatory Accreditation Scopes; please visit EIAC website www.eiac.gov.ae

Conformity Assessment Bodies should submit an application to obtain accreditation within the first year of getting this permit according to the Law no. 2/ 2010. Emirates International Accreditation Centre is entitled to take all legal actions in case of violation of any of the conditions mentioned in Law 2/2010 and its Administrative Order no. 267 / 2011.

ملاحظات:

- يشمل هذا التصريح المجالات المصرح لها أعلاه فقط.
- مدة صلاحية التصريح هي سنة واحدة ويجب إعادة تجديده للجهات الغير معتمدة قبل انتهاء الصلاحية بمدة 15 يوم.
- لا يجوز لجهة تقييم المطابقة ان تمارس نشاطاتها أو تستخدم رمز الاعتماد في مجالات الاعتماد الإجبارية إلا بعد حصولها على الاعتماد من المركز
- للإطلاع على قائمة مجالات الاعتماد الإجبارية، يرجى زيارة الموقع الإلكتروني للمركز www.eiac.gov.ae
- يجب على جهة تقييم المطابقة التقدم بطلب الحصول على الاعتماد خلال السنة الأولى من منحها تصريح مزاولة النشاط حسب النظام رقم 2010/2 ويحق لمركز الإمارات العالمي للاعتماد اتخاذ جميع الإجراءات القانونية تجاه الجهة المخالفة لأي من متطلبات/ اشتراطات النظام رقم 2010/2 والقرار الإداري رقم 267/2011

أمانة أحمد محمد
eIACI
مركز الاعتمادات العالمية للخدمات

المدير التنفيذي لمركز الإمارات العالمي للاعتماد

الإمارات
THE EMIRATES

BUREAU VERITAS
Certification



INDOGULF INSPECTION & TESTING SERVICES

**P. O. BOX 390061, 22 & 23,
JEBEL ALI INDUSTRIAL AREA – 1, DUBAI,
UNITED ARAB EMIRATES.**

This is a multi-site certificate, additional site is listed on the next page.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of Certification

**NON-DESTRUCTIVE, MECHANICAL, CHEMICAL AND CORROSION TESTING,
POST WELD HEAT TREATMENT AND INSPECTION SERVICES FOR
OIL & GAS INDUSTRIES.**

Permitted Exclusion: 8.3 Design and Development of Products and Services.

Original cycle start date: **28th JULY 2010**

Expiry date of previous cycle: **27th JULY 2019**

Recertification Audit date: **17th JULY 2019**

Recertification cycle start date: **2nd AUGUST 2019**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **27th JULY 2022**

Certificate No. **MER19.222/UQ**

Version No. **1**, Revision date: **02/08/2019**

Signed on behalf of BVCH SAS UK Branch



0008

Certification body address: 5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom
Local office: 2nd Floor, Block C, Al Hudaiba Awards Building,
Jumeirah Road with 2nd December Interchange, Dubai, U.A.E.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.

To check this certificate validity please call: 00971 4 3074400

BUREAU VERITAS
Certification



INDOGULF INSPECTION & TESTING SERVICES

ISO 9001:2015

Scope of Certification

Site Name / Location	Site Address	Site Scope
Head Office INDOGULF INSPECTION & TESTING SERVICES Dubai	P. O. Box 390061, 22 & 23, Jebel Ali Industrial Area – 1, Dubai, United Arab Emirates.	NON-DESTRUCTIVE, MECHANICAL, CHEMICAL AND CORROSION TESTING, POST WELD HEAT TREATMENT AND INSPECTION SERVICES FOR OIL & GAS INDUSTRIES.
INDOGULF INSPECTION & TESTING SERVICES LLC Abu Dhabi	P. O. Box 126842, Office No. 47, Block 2, Plot No. 12, Musaffa Sector 4, Abu Dhabi, United Arab Emirates.	NON-DESTRUCTIVE, MECHANICAL, CHEMICAL AND CORROSION TESTING, POST WELD HEAT TREATMENT AND INSPECTION SERVICES FOR OIL & GAS INDUSTRIES.

Certificate No. **MER19.222/UQ**

Version No. 1, Revision date: **02/08/2019**

Signed on behalf of BVCH SAS UK Branch



Certification body address: 5th Floor, 66 Prescott Street, London E1 8HG, United Kingdom
Local office: 2nd Floor, Block C, Al Hudaiba Awards Building,
Jumeirah Road with 2nd December Interchange, Dubai, U.A.E.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.

To check this certificate validity please call: 00971 4 3074400

BUREAU VERITAS
Certification



INDOGULF INSPECTION & TESTING SERVICES

**P. O. BOX 390061, 22 & 23,
JEBEL ALI INDUSTRIAL AREA – 1, DUBAI,
UNITED ARAB EMIRATES.**

This is a multi-site certificate, additional site is listed on the next page.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

BS OHSAS 18001:2007

Scope of Certification

**NON-DESTRUCTIVE, MECHANICAL, CHEMICAL AND CORROSION TESTING,
POST WELD HEAT TREATMENT AND INSPECTION SERVICES FOR
OIL & GAS INDUSTRIES.**

Original cycle start date: **28th JULY 2016**

Expiry date of previous cycle: **27th JULY 2019**

Recertification Audit date: **17th JULY 2019**

Recertification cycle start date: **2nd AUGUST 2019**

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **11th MARCH 2021**

Certificate No. **MER19.222/UOH**

Version No. **1**, Revision date: **02/08/2019**

Signed on behalf of BVCH SAS UK Branch

BUREAU VERITAS
Certification



0008

Certification body address: 5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom
Local office: 2nd Floor, Block C, Al Hudaiba Awards Building
Jumeirah Road with 2nd December Interchange, Dubai, U.A.E.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.

To check this certificate validity please call: 00971 4 3074400

BUREAU VERITAS
Certification



INDOGULF INSPECTION & TESTING SERVICES

BS OHSAS 18001:2007

Scope of Certification

Site Name / Location	Site Address	Site Scope
Head Office INDOGULF INSPECTION & TESTING SERVICES Dubai	P. O. Box 390061, 22 & 23, Jebel Ali Industrial Area – 1, Dubai, United Arab Emirates.	NON-DESTRUCTIVE, MECHANICAL, CHEMICAL AND CORROSION TESTING, POST WELD HEAT TREATMENT AND INSPECTION SERVICES FOR OIL & GAS INDUSTRIES.
INDOGULF INSPECTION & TESTING SERVICES LLC Abu Dhabi	P. O. Box 126842, Office No. 47, Block 2, Plot No. 12, Musaffa Sector 4, Abu Dhabi, United Arab Emirates.	NON-DESTRUCTIVE, MECHANICAL, CHEMICAL AND CORROSION TESTING, POST WELD HEAT TREATMENT AND INSPECTION SERVICES FOR OIL & GAS INDUSTRIES.

Certificate No. **MER19.222/UOH**

Version No. **1**, Revision date: **02/08/2019**



[Signature]

Signed on behalf of BVCH SAS UK Branch

Certification body address: 5th Floor, 66 Prescott Street, London E1 8HG, United Kingdom
Local office: 2nd Floor, Block C, Al Hudalba Awards Building,
Jumeirah Road with 2nd December Interchange, Dubai, U.A.E.

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.
To check this certificate validity please call: 00971 4 3074400



ACCREDITATION CERTIFICATE

110-IB

Emirates International Accreditation Centre

has accredited

INDOGULF INSPECTION & TESTING SERVICES

Lootah Warehouse No. 22 & 23, Jebel Ali Industrial Area 1

Dubai-United Arab Emirates

In accordance with the requirements of

ISO/IEC 17020:2012

Conformity Assessment-Requirements for the operation of various type of bodies

performing inspection

to undertake the inspection in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force within the validity period printed below, subject to continuing compliance with the requirements of the accreditation criteria.

Validity: 01/07/2020 to 21/05/2023

Initial Accreditation Date: 22- 05- 2017



CHIEF EXECUTIVE OFFICER
APPROVAL



110 -IB

Indogulf Inspection & Testing Services

Lootah Warehouse No. 22 & 23, Jebel Ali Industrial Area 1

Dubai-United Arab Emirates

Issue No.: 3

Date: 01-07-2020

Valid to: 21-05-2023

Accreditation History			
Issue no.	Scope Name	Details	Date
3	Nondestructive Testing	Renewal accreditation and first issuance under the name of Emirates International Accreditation Centre 'EIAC' (which was formerly known as DAC)	01-07-2020

110 -IB

Indogulf Inspection & Testing Services

Lootah Warehouse No. 22 & 23, Jebel Ali Industrial Area 1

Dubai-United Arab Emirates

Issue No.: 3

Date: 01-07-2020

Valid to: 21-05-2023

Inspection Category	Inspection field	Range of inspection	Stage of inspection	Inspection criteria	Inspection Activity Type
Product	Structural Engineering of Welds and Materials	Magnetic particle examination (MT) - Visual - Fluorescent	New construction In-service	ASME Section V	A
				BS EN ISO 17638	
			Visual examination (VT) - Direct visual examination	New construction In-service	
		ASME Section V			
		AWS D 1.1			
		Liquid penetrant examination (PT) - Visual - Fluorescent	New construction In-service	BS EN ISO 3452-1	A
				BS EN ISO 3452-2	
				ASME Section V	
		Radiographic examination (RT)	New construction In-service	BS EN ISO 17636-1	A
				BS EN ISO 17636-2	
				ASME Section V	
				ISO 5580	
				AWS D 1.1	
Ultrasonic testing - thickness measurement (UT-UTG)	New construction In-service	BS EN ISO 17640	A		
		ASME Section V			
		ASTM E797-E797M			
Ultrasonic testing – flaw detection (UT-UFD)	New construction In-service	ASME Section V	A		
		BS EN ISO 17640			
		BS EN ISO 10893-10			
		BS EN ISO 22825			

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Indogulf Inspection & Testing Services

Lootah Warehouse No. 22 & 23, Jebel Ali Industrial Area 1

Dubai-United Arab Emirates

Issue No.: 3

Date: 01-07-2020

Valid to: 21-05-2023

Inspection Category	Inspection field	Range of inspection	Stage of Inspection	Inspection criteria	Inspection Activity Type
Product	Structural Engineering of Welds and Materials	Ultrasonic testing – flaw detection (UT-UFD)	New construction	AWS D 1.1	A
			In-service		
		Ultrasonic testing – flaw detection Phased array ultrasonic testing (PAUT)	New construction	BS EN ISO 13588	A
			In-service	ASME Section V	
		Ultrasonic testing – flaw detection Time-of-flight diffraction (TOFD)	New construction	BS EN ISO 16828	A
			In-service	BS EN ISO 10863	
				BS EN ISO 15626	
				ASME Section V	
	Mechanical and Structural Engineering of Metallic Products	Hardness testing	New construction	ASTM E 110	A
			In-service	ASTM E10	
		Metals identification, grade verification and sorting (PMI)	New construction	ASTM E147 6	A
			In-service		



ACCREDITATION CERTIFICATE

101-LB-TEST

Emirates International Accreditation Centre

has accredited

INDOGULF INSPECTION AND TESTING SERVICES

Jebel Ali Industrial Area 1, Jebel Ali

Dubai- United Arab Emirates

In accordance with the requirements of

ISO/IEC 17025:2017

General requirements for the competence of testing and calibration laboratories
to undertake the tests in the attached accreditation scope

This Accreditation is invalid without the attached accreditation scope and shall remain in force
within the validity period printed below, subject to continuing compliance with the requirements of
the accreditation criteria.

Validity: 01/06/2020 to 31/05/2023

Initial Accreditation Date: 01/06/2014




CHIEF EXECUTIVE OFFICER
APPROVAL



Accreditation Scope

Metallurgical Testing

101-LB-TEST

Indogulf Inspection and Testing Services

Jebel Ali Industrial Area 1, Jebel Ali

Dubai-United Arab Emirates

Issue no.: 03

Date: 01-06-2020

Valid to: 31-05-2023

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical / Physical	Steel plates, Steel pipes	Standard Test Methods and Definitions for Mechanical Testing of steel Products. Bend Test Bend Testing Of Material For Ductility Test Method - Bend Test	ASTM A370 ASTM E290
Mechanical / Physical	Steel plates, Steel pipes	Standard Test Methods and Definitions for Mechanical Testing of steel Products. Charpy Impact Test (ambient to -60°C & -196 °C) Notched Bar Impact Of Metallic Material Test Method - Charpy Impact(ambient to -60°C & -196 °C)	ASTM A370 ASTM E23

Accreditation Scope

Metallurgical Testing

101-LB-TEST

Indogulf Inspection and Testing Services

Jebel Ali Industrial Area 1, Jebel Ali

Dubai-United Arab Emirates

Issue no.: 03

Date: 01-06-2020

Valid to: 31-05-2023

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical / Physical	Steel plates, Steel pipes	Standard Test Methods and definitions for mechanical Testing of steel products. Vickers hardness Standard test method for Knoop and Vickers hardness of materials-Vickers hardness test Metallic materials-Vickers hardness test Part 1-test methods Vickers (Hv5,Hv10 &Hv30)	ASTM A370 ASTM E92 EN ISO 6507 Part 1

Accreditation Scope
Metallurgical Testing
101-LB-TEST

Indogulf Inspection and Testing Services

Jebel Ali Industrial Area 1, Jebel Ali

Dubai-United Arab Emirates

Issue no.: 03

Date: 01-06-2020

Valid to: 31-05-2023

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical / Physical	Weldments	Qualification standard for welding and brazing procedure, welders, brazers, and welding and brazing operators Bend Test structural welding code-steel-Bend Welding of pipelines and related facilities-Bend Destructive tests on welds in metallic materials - Bend tests	ASME SEC IX AWS D1.1 AWS D1.2 API 1104 EN ISO 5173
Mechanical / Physical	Weldments	Macro examination	ASME SEC IX
Mechanical / Physical	Weldments	Cross weld Tensile (ambient temperature)	ASME SEC IX AWS D1.1 AWS D1.6 API 1104 EN ISO 4136

Accreditation Scope

Metallurgical Testing

101-LB-TEST

Indogulf Inspection and Testing Services

Jebel Ali Industrial Area 1, Jebel Ali

Dubai-United Arab Emirates

Issue no.: 03

Date: 01-06-2020

Valid to: 31-05-2023

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical / Physical	Weldments	Qualification standard for welding and brazing procedure, welders, brazers, and welding and brazing operators structural welding code-steel Welding of pipelines and related facilities Charpy Impact Test (ambient to -60°C & -196 °C)	ASME II Part A ASME A Part C ASME VIII ASME SEC IX AWS D1.1 AWS D1.2 API 1104

Accreditation Scope

Metallurgical Testing

101-LB-TEST

Indogulf Inspection and Testing Services

Jebel Ali Industrial Area 1, Jebel Ali

Dubai-United Arab Emirates

Issue no.: 03

Date: 01-06-2020

Valid to: 31-05-2023

Type of Activity	Test Materials/Products	Test Name	Test Method
mechanical / physical	Weldments	Qualification standard for welding and brazing procedure, welders, brazers, and welding and brazing operators structural welding code-steel Welding of pipelines and related facilities Vickers Hardness (Hv5,Hv10 &Hv30)	ASME SEC IX AWS D1.1 AWS D1.2 API 1104 BS EN 1043 Part 1
Mechanical	Steel Products	Standard Test Method and definitions for Mechanical Testing of steel products. Tensile test (Ambient temperature)	ASTM A370
Mechanical	Steel Products	Metallic materials-Charpy Impact pendulum test at ambient temperature to - 60°C	ISO 148 Part 1

Accreditation Scope

Metallurgical Testing

101-LB-TEST

Indogulf Inspection and Testing Services

Jebel Ali Industrial Area 1, Jebel Ali

Dubai-United Arab Emirates

Issue no.: 03

Date: 01-06-2020

Valid to: 31-05-2023

Type of Activity	Test Materials/Products	Test Name	Test Method
Mechanical	Steel Products / Weldments	Metallic materials-Tensile testing- Method of test at room temperature	ISO 6892 Part 1

Accreditation History		
Issue no.	Details	Date
3	Renewal accreditation, comply with ISO 17025:2017 and first issuance under the name of EIAC (Which was formerly known as DAC)	01-06-2020

LIST OF EQUIPMENTS

MECHANICAL, METALLURGICAL LABORATORY EQUIPMENT

S.NO	CATEGORY	IGTS EQUIP ID	EQUIPMENT NAME	TRADE NAME / MAKE	APPLICATION
1	DT	IGTS/EQ/009	Universal Testing Machine	Fine Spavy Manufacturers & Engineers INDIA	Tensile Test, Bend test, Load Test, Compression test, Fracture test
2	DT	IGTS/EQ/010	FEE-5 Extensometer	Fine Spavy Manufacturers & Engineers INDIA	Elongation Measurement
3	DT	IGTS/EQ/011	Charpy Impact Testing Machine	Tinius Olsen USA	Charpy Impact Test
4	DT	IGTS/EQ/012	Charpy "V" Notch Cutting Blade	R.J.W Ltd UK	Notch preparation for impact specimen
5	DT	IGTS/EQ/013	Vickers Hardness Testing machine	Wolpert Wilson USA	Vickers Hardness survey
6	DT	IGTS/EQ/014	Rockwell hardness Machine	Wolpert Wilson USA	Rockwell Hardness Test
7	DT	IGTS/EQ/015	Portable Hardness Machine	Equotip 3	Hardness Test at Site
8	DT	IGTS/EQ/016	Metallurgical Microscope	REDICAL	Metallurgical Examination
9	DT	IGTS/EQ/017	Optical Projector & V-Notch Template	Optoscan INDIA & UKAS	Verification of Impact specimen
10	DT	IGTS/EQ/018	Hack Saw Machine	CHESTER Ltd UK	Sample cutting
11	DT	IGTS/EQ/019	Big Band Saw Machine HS330	CHESTER Ltd UK	Sample cutting
12	DT	IGTS/EQ/020	High Speed Coventry Lathe	CHESTER Ltd UK	Specimen preparation
13	DT	IGTS/EQ/021	Small Band Saw machine	CHESTER Ltd UK	Sample cutting
14	DT	IGTS/EQ/022	Milling Machine-U40	CHESTER Ltd UK	Specimen preparation
15	DT	IGTS/EQ/024	Surface Grinding Machine	ATLAS Machine INDIA	Specimen preparation
16	DT	IGTS/EQ/027	Polishing Machine	EXTEC USA	sample polishing

MECHANICAL, METALLURGICAL LABORATORY EQUIPMENT

17	DT	IGTS/EQ/031	Digital Vernier Caliper	Mitutoyo JAPAN	Dimensional measurement
18	DT	IGTS/EQ/035	Digital Thermometer	HANNA Instruments UK	Temperature measurement for impact test
19	DT	IGTS/EQ/063	Optical Emission Spectrometer	SPECTRO MAXx GERMANY	Chemical Analysis
20	DT	IGTS/EQ/078	Positive Material Identification	OLYMPUS USA	Material Check
21	DT	IGTS/EQ/079	Positive Material Identification	OLYMPUS USA	Material Check
22	DT	IGTS/EQ/103	Milling Machine	LAGUN	Specimen preparation
23	DT	IGTS/EQ/104	V NOTCH GO-NO GO GAUGE	RJW Ltd UK	Notch measurement
24	DT	IGTS/EQ/105	Charpy Dimension Gauge	RJW Ltd UK	Dimensional measurement
25	DT	IGTS/EQ/106	POINTER MICROMETER	Mitutoyo JAPAN	Dimensional measurement
26	DT	IGTS/EQ/107	Drilling Machine	Arfa	Machining
27	DT	IGTS/EQ/108	Digital Thermometer	PRECISION PLUS	Temperature measurement
28	DT	IGTS/EQ/109	Digital Thermometer	HANNA Instruments UK	Temperature measurement
29	DT	IGTS/EQ/110	Bending Machine	NA	Bend test
30	DT	IGTS/EQ/111	PH Meter	Adwa	Measuring PH values
31	DT	IGTS/EQ/112	PH Meter	Adwa	Measuring PH values
32	DT	IGTS/EQ/113	Digital Weight Balance	CITIZEN	Weight Measurement
33	DT	IGTS/EQ/114	Digital Weight Balance	AND	Weight Measurement
34	DT	IGTS/EQ/118	Charpy Impact Testing Machine	Fine Spavy Manufacturers & Engineers INDIA	Charpy Impact Test

MECHANICAL, METALLURGICAL LABORATORY EQUIPMENT

35	DT	IGTS/EQ/119	Portable Hardness Machine	MIC-10	Hardness Test at Site
36	DT	IGTS/EQ/120	Portable micro scope	Radical Scientific	On site Metallography
37	DT	IGTS/EQ/121	Digital Vernier Caliper	Mitutoyo JAPAN	Dimensional measurement
38	DT	IGTS/EQ/123	Temperture Monitor	BEURER	Temperature measurement
39	DT	IGTS/EQ/136	Vickers Hardness Testing machine	FIE Engineering	Vickers Hardness survey
40	DT	IGTS/EQ/149	Digital Thermo Hygrometer	BRANNAN	
41	DT	IGTS/EQ/150	Water Bath	Matest	Maintain test temperature
42	DT	IGTS/EQ/153	Feritoscope FMP30	Helmut Fischer, Germany	Ferite Test at site
43	DT	IGTS/EQ/154	SINGLE Column Bandsaw	TRUBAND,TAIWAN	Sample cutting
44	DT	IGTS/EQ/155	Digital Vernier Caliper	Mitutoyo JAPAN	Dimensional measurement
45	DT	IGTS/EQ/157	Digital Thermometer	PRECISION PLUS	Temperature measurement
46	DT	IGTS/EQ/158	Hot Plate & Stirrer	LABTECH	Maintain test temperature
47	DT	IGTS/EQ/159	Outside Micrometer	Max Precision	Dimensional measurement
48	DT	IGTS/EQ/160	Outside Micrometer	Mitutoyo JAPAN	Dimensional measurement
49	DT	IGTS/EQ/161	Grinding Machine	MAKITA	Sample Preparation
50	DT	IGTS/EQ/162	Grinding Machine	DEWAIT	Sample Preparation
51	DT	IGTS/EQ/165	Doble Column Bandsaw	--	Sample cutting
52	DT	IGTS/EQ/166	PH Meter -AD8000	ADWA	Measuring PH values
53	DT	IGTS/EQ-101	Digital Vernier Caliper	STANDARD	Dimensional measurement
54	DT	IGTS/EQ-102	Digital Vernier Caliper	INSIZE	Dimensional measurement

HEAT TREATMENT EQUIPMENT

S.NO	CATEGORY	IGTS EQUIP ID	EQUIPMENT NAME	TRADE NAME / MAKE	APPLICATION
55	HT	IGTS/EQ/053	HT-Tranformer	GLOBAL HEAT	Heat Treatment
56	HT	IGTS/EQ/054	HT-Tranformer	GLOBAL HEAT	Heat Treatment
57	HT	IGTS/EQ/055	HT-Tranformer	GLOBAL HEAT	Heat Treatment
58	HT	IGTS/EQ/056	HT-Tranformer	GLOBAL HEAT	Heat Treatment
59	HT	IGTS/EQ/057	HT-Tranformer	GLOBAL HEAT	Heat Treatment
60	HT	IGTS/EQ/058	HT-Tranformer	GLOBAL HEAT	Heat Treatment
61	HT	IGTS/EQ/059	HT-Tranformer	GLOBAL HEAT	Heat Treatment
62	HT	IGTS/EQ/060	HT-Tranformer	GLOBAL HEAT	Heat Treatment
63	HT	IGTS/EQ/061	HT-Tranformer	GLOBAL HEAT	Heat Treatment
64	HT	IGTS/EQ/062	HT-Tranformer	GLOBAL HEAT	Heat Treatment
65	HT	IGTS/EQ/064	HT-Recorder	GLOBAL HEAT	Accessory for Heat Treatment
66	HT	IGTS/EQ/065	HT-Recorder	GLOBAL HEAT	Accessory for Heat Treatment
67	HT	IGTS/EQ/066	HT-Recorder	GLOBAL HEAT	Accessory for Heat Treatment
68	HT	IGTS/EQ/067	HT-Recorder	GLOBAL HEAT	Accessory for Heat Treatment
69	HT	IGTS/EQ/068	HT-Recorder	GLOBAL HEAT	Accessory for Heat Treatment

HEAT TREATMENT EQUIPMENT

70	HT	IGTS/EQ/069	HT-Recorder	GLOBAL HEAT	Accessory for Heat Treatment
71	HT	IGTS/EQ/070	HT-Recorder	GLOBAL HEAT	Accessory for Heat Treatment
72	HT	IGTS/EQ/071	HT-Recorder	GLOBAL HEAT	Accessory for Heat Treatment
73	HT	IGTS/EQ/072	HT-Recorder	GLOBAL HEAT	Accessory for Heat Treatment
74	HT	IGTS/EQ/073	HT-Recorder	GLOBAL HEAT	Accessory for Heat Treatment
75	HT	IGTS/EQ/074	HT-Programmer	GLOBAL HEAT	Accessory for Heat Treatment
76	HT	IGTS/EQ/075	HT-Programmer	GLOBAL HEAT	Accessory for Heat Treatment
77	HT	IGTS/EQ/076	HT-Programmer	GLOBAL HEAT	Accessory for Heat Treatment
78	HT	IGTS/EQ/077	HT-Programmer	GLOBAL HEAT	Accessory for Heat Treatment
79	HT	IGTS/EQ/080	HT-Programmer	GLOBAL HEAT	Accessory for Heat Treatment
80	HT	IGTS/EQ/081	HT-Programmer	GLOBAL HEAT	Accessory for Heat Treatment
81	HT	IGTS/EQ/082	HT-Programmer	GLOBAL HEAT	Accessory for Heat Treatment
82	HT	IGTS/EQ/083	HT-Programmer	GLOBAL HEAT	Accessory for Heat Treatment
83	HT	IGTS/EQ/084	HT-Programmer	GLOBAL HEAT	Accessory for Heat Treatment
84	HT	IGTS/EQ/085	HT-Programmer	GLOBAL HEAT	Accessory for Heat Treatment

NON-DESTRUCTIVE TESTING EQUIPMENT

S.NO	CATEGORY	IGTS EQUIP ID	EQUIPMENT NAME	TRADE NAME / MAKE	APPLICATION
85	NDT	IGTS/EQ/002	Ultrasonic Thickness Gauge	OLYMPUS	Thickness Measurement
86	NDT	IGTS/EQ/003	Ultrasonic Flaw Detector USM 35	GE	Ultrasonic Flaw Detection
87	NDT	IGTS/EQ/007	Ultrasonic Flaw Detector USM 35	GE - USM35	Ultrasonic Flaw Detection
88	NDT	IGTS/EQ/001	Ultrasonic Flaw Detector	GE	Ultrasonic Flaw Detection
89	NDT	IGTS/EQ/004	Ultrasonic Flaw Detector	OLYMPUS EPOCH600	Ultrasonic Flaw Detection
90	NDT	IGTS/EQ/008	Ultrasonic Flaw Detector	OLYMPUS EPOCH600	Ultrasonic Flaw Detection
91	NDT	IGTS/EQ/023	Ultrasonic Flaw Detector	OLYMPUS EPOCH600	Ultrasonic Flaw Detection
92	NDT	IGTS/EQ/025	Ultrasonic Flaw Detector	OLYMPUS EPOCH600	Ultrasonic Flaw Detection
93	NDT	IGTS/EQ/028	Ultrasonic Flaw Detector	OLYMPUS EPOCH600	Ultrasonic Flaw Detection
94	NDT	IGTS/EQ/029	Ultrasonic Flaw Detector	MODSONIC EINSTEIN-II	Ultrasonic Flaw Detection
95	NDT	IGTS/EQ/124	Ultrasonic Flaw Detector	SONATEST	Ultrasonic Flaw Detection
96	NDT	IGTS/EQ/125	Ultrasonic Flaw Detector	SONATEST	Ultrasonic Flaw Detection
97	NDT	IGTS/EQ/126	Ultrasonic Flaw Detector	SONATEST	Ultrasonic Flaw Detection
98	NDT	IGTS/EQ/127	Ultrasonic Flaw Detector	SONATEST	Ultrasonic Flaw Detection
99	NDT	IGTS/EQ/128	Ultrasonic Flaw Detector	SONATEST	Ultrasonic Flaw Detection
100	NDT	IGTS/EQ/129	Ultrasonic Flaw Detector	SONATEST	Ultrasonic Flaw Detection
101	NDT	IGTS/EQ/030	Radiation Survey Meter	NDS SENTINEL	Radiation Monitoring

NON-DESTRUCTIVE TESTING EQUIPMENT

102	NDT	IGTS/EQ/032	Radiation Survey Meter	NDS SENTINEL	Radiation Monitoring
103	NDT	IGTS/EQ/033	Radiation Survey Meter	NDS SENTINEL	Radiation Monitoring
104	NDT	IGTS/EQ/034	Radiation Survey Meter	NDS SENTINEL	Radiation Monitoring
105	NDT	IGTS/EQ/036	Radiation Survey Meter	SENTINEL RED EYE	Radiation Monitoring
106	NDT	IGTS/EQ/037	Radiation Survey Meter	NDS SENTINEL	Radiation Monitoring
107	NDT	IGTS/EQ/038	Radiation Survey Meter	NDS SENTINEL	Radiation Monitoring
108	NDT	IGTS/EQ/039	Radiation Survey Meter	NDS SENTINEL	Radiation Monitoring
109	NDT	IGTS/EQ/040	Radiation Survey Meter	NDS SENTINEL	Radiation Monitoring
110	NDT	IGTS/EQ/041	Radiation Survey Meter	NDS SENTINEL	Radiation Monitoring
111	NDT	IGTS/EQ/140	Radiation Survey Meter	MIRION	Radiation Monitoring
112	NDT	IGTS/EQ/141	Radiation Survey Meter	MIRION	Radiation Monitoring
113	NDT	IGTS/EQ/142	Radiation Survey Meter	MIRION	Radiation Monitoring
114	NDT	IGTS/EQ/143	Radiation Survey Meter	MIRION	Radiation Monitoring
115	NDT	IGTS/EQ/144	Radiation Survey Meter	MIRION	Radiation Monitoring
116	NDT	IGTS/EQ/005	Permanent Magnetic Yoke	ELY	Magnetic Particle Detection
117	NDT	IGTS/EQ/006	Permanent Magnetic Yoke	ELY	Magnetic Particle Detection

NON-DESTRUCTIVE TESTING EQUIPMENT

118	NDT	IGTS/EQ/134	Permanent Magnetic Yoke	CHEMETELL	Magnetic Particle Detection
119	NDT	IGTS/EQ/135	Permanent Magnetic Yoke	CHEMETELL	Magnetic Particle Detection
120	NDT	IGTS/EQ/138	Permanent Magnetic Yoke	CHEMETELL	Magnetic Particle Detection
121	NDT	IGTS/EQ/139	Permanent Magnetic Yoke	CHEMETELL	Magnetic Particle Detection
122	NDT	IGTS/EQ/147	Permanent Magnetic Yoke	CHEMETELL	Magnetic Particle Detection
123	NDT	IGTS/EQ/131	LUX METER	TES	Light Measurement
124	NDT	IGTS/EQ/130	INFRARED THERMOMETER	GM550	Temperature measurement
125	NDT	IGTS/EQ/044	Film Viewer		Radiographic Film Interpretation
126	NDT	IGTS/EQ/087	Electro Magnetic Yoke 220v	GAMMATEC	Magnetic Particle Detection
127	NDT	IGTS/EQ/086	Electro Magnetic Yoke 110v	GAMMATEC	Magnetic Particle Detection
128	NDT	IGTS/EQ/026	Electro Magnetic Yoke	CHEMETELL	Magnetic Particle Detection
129	NDT	IGTS/EQ/050	Electro Magnetic Yoke	GAMMATEC	Magnetic Particle Detection
130	NDT	IGTS/EQ/132	ELECTRO MAGNETIC YOKE	GAMMATEC	Magnetic Particle Detection
131	NDT	IGTS/EQ/133	ELECTRO MAGNETIC YOKE	GAMMATEC	Magnetic Particle Detection

NON-DESTRUCTIVE TESTING EQUIPMENT

132	NDT	IGTS/EQ/137	Electro Magnetic Yoke	CHEMETELL	Magnetic Particle Detection
133	NDT	IGTS/EQ/088	DIGIT-X Densitometer	XOGRAPH	Measure degree of darkness
134	NDT	IGTS/EQ/089	DIGIT-X Densitometer	XOGRAPH	Measure degree of darkness
135	NDT	IGTS/EQ/045	Delta 880 Radiography Projector	SENTINEL	Radiography
136	NDT	IGTS/EQ/046	Delta 880 Radiography Projector	SENTINEL	Radiography
137	NDT	IGTS/EQ/047	Delta 880 Radiography Projector	SENTINEL	Radiography
138	NDT	IGTS/EQ/048	Delta 880 Radiography Projector	SENTINEL	Radiography
139	NDT	IGTS/EQ/051	Delta 880 Radiography Projector	SENTINEL	Radiography
140	NDT	IGTS/EQ/052	Delta 880 Radiography Projector	SENTINEL	Radiography
141	NDT	IGTS/EQ/121	Delta 880 Radiography Projector	SENTINEL	Radiography
142	NDT	IGTS/EQ/122	Delta 880 Radiography Projector	SENTINEL	Radiography

AUT EQUIPMENT

S.NO	CATEGORY	IGTS EQUIP ID	EQUIPMENT NAME	TRADE NAME / MAKE	APPLICATION
143	AUT	IGTS/EQ/042	Automated UT	Omniscan MX 16:128	Phased Arrays / TOFD
144	AUT	IGTS/EQ/043	Automated UT	Omniscan MX 16:129	Phased Arrays / TOFD
145	AUT	IGTS/EQ/049	Automated UT	Omniscan MX 16:130	Phased Arrays / TOFD
146	AUT	IGTS/EQ/169	Automated UT	Omniscan MX 16:131	Phased Arrays / TOFD
147	AUT	IGTS/EQ/170	Automated UT	Weldsonix Revolution	Pipeline AUT
148	AUT	IGTS/EQ/171	Automated UT	Weldsonix Revolution	Pipeline AUT
149	AUT	IGTS/EQ/172	HSMT Compact Scanner	Olympus	Pressure Vessel PAUT / TOFD
150	AUT	IGTS/EQ/173	HSMT FLEX Scanner	Olympus	Pressure Vessel PAUT / TOFD
151	AUT	IGTS/EQ/174	COBRA Scanner	Olympus	Small Diameter Piping
152	AUT	IGTS/EQ/175	HYDROFORM	Olympus	Corrosion Mapping
153	AUT	IGTS/EQ/176	CHAIN X-Y Scanner	Olympus	Piping upto 38" dia
154	AUT	IGTS/EQ/177	CHAIN Link Scanner	Concept	Piping 12" to 36" dia

SERVICES CAPABILITY

NON-DESTRUCTIVE TESTING

INDOGULF provides basic NDT services and advanced inspection services as given below which finds application with respect to international standards like AWS, ASME, API, ASTM, DIN, ISO, BS, ANSI, NACE, Marine classifications like DNV, BV, LRS, RINA, GL, TUV etc in areas of structural steel works, Piping, Pressure vessels, Tanks, castings etc. With operations spread out in different parts of GCC, our laboratory is fully equipped to carry out the following NDT services both onshore and offshore.

- Magnetic Particle Inspection (Dry method & Fluorescent method)
- Ultrasonic Flaw Detection
- Ultrasonic Thickness gauging
- Dye Penetrant Test
- Ferrite Measurement
- Radiography Test
- Positive Material Identification
- Coating Thickness Measurement
- Heat Treatment Services
- X-Ray & Gamma Ray pipe crawler systems
- Borescope Inspection
- Vacuum Box Test



DESTRUCTIVE TESTING

Destructive tests are carried out in the laboratory for specific application in close association with international client specifications on materials & welded specimens. Materials shall be certified for grade confirmation based on the evaluation of the test results. Welder performances are evaluated and certified & welding procedures are qualified by incorporating inspection, NDT & mechanical tests in accordance with international standards and client's requirements. We carry out various mechanical tests like tensile test to find out the physical properties namely yield strength, tensile strength, elongation, reduction of area etc, Charpy impact test on full & sub size specimens to verify the toughness of material, hardness tests- Vickers, Rockwell, Brinell, Knoop at lab and at site, nick break test on materials and weldments. Macro examination of welded specimens is also carried out.

We also perform metallographic test for close scrutiny of metallurgical structures of samples by evaluating the microstructure to establish phases on etching and their morphology. Grain size measurement & ferrite content shall be determined by evaluating the microstructure which will be reported with photographic proof.

Replica technique is used for metallurgical services at site applications particularly for boiler tubes, heat exchanger tubes etc. Investigations on the cause of failure on various engineering components are carried out which is applicable in marine, industrial and oilfield sectors and are very significant for decisions on preventive measures, corrective action and future modifications. The findings on investigation of the cause of failure & the remedial recommendations by our qualified metallurgist will be reported.

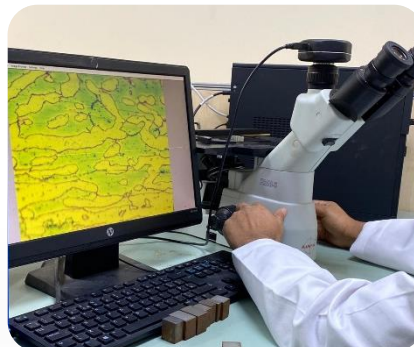
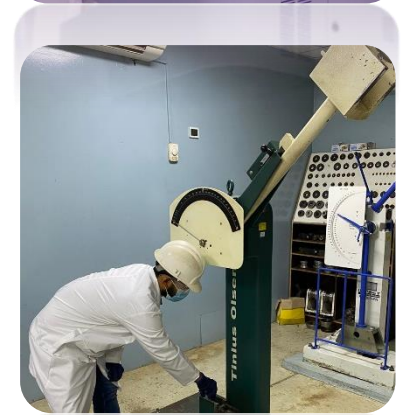


DESTRUCTIVE TESTING

Other corrosion tests to check susceptibility to intergranular corrosion, pitting corrosion, hydrogen induced, stress corrosion cracking under Sulphide, chloride atmospheres. Chemical analysis is carried out using wet method or atomic absorption (spectrometer) to determine the percentage of chemical elements present in metals.

The major activities are as listed below:

- Tensile Test at ambient temperatures and elevated temperatures (upto 700 deg C)
- Bend / Rebend Test
- Charpy Impact Test at cryogenic temperatures (upto -196 Deg C)
- Compression Test
- Load Test
- Fracture Test
- Macro & Micro Examination/Analysis
- Hardness Test- Vickers, Rockwell, Brinell
- Metallographic Evaluation using Replica Technique
- Grain size measurement
- Chemical Analysis- Using Spectrometer & Wet method
- Corrosion tests- HIC, SSCC, Pitting, Intergranular corrosion
- Failure Investigation



INSPECTION SERVICES

INDOGULF employees AWS, CSWIP qualified welding and quality inspection team., NACE/BGAS qualified painting inspectors, API Tank Inspectors, plant inspectors with experience in construction, fabrication, Inspection and erection of pressure vessels to undertake second third party services for weld structures, pressure vessels, tanks, pipelines, painting inspection, vendor evaluation, integrity surveys etc. The certified welding inspectors can supervise, monitor and control activities related to quality of production welds, welder's performance and procedure qualification test to certify them to the required specifications.

The inspection activities can be classified as below:

- Welding Inspection, Certification of welders & Procedures
- Third party inspection
- Paint Inspection
- Storage Tank Inspection
- Vessel Inspection
- Holiday Detection
- Quality Assurance
- Quality Control
- Material verification & Sorting



ADVANCED NDT

INDOGULF is fully equipped with Phased Array and TOFD inspection equipment in addition to conventional NDT equipment such as UT, MT, PT, Hardness Measurement, etc.

All professionals are trained and/or qualified to ASNT / PCN / CSWIP in their respective NDT methods.

INDOGULF Provides...

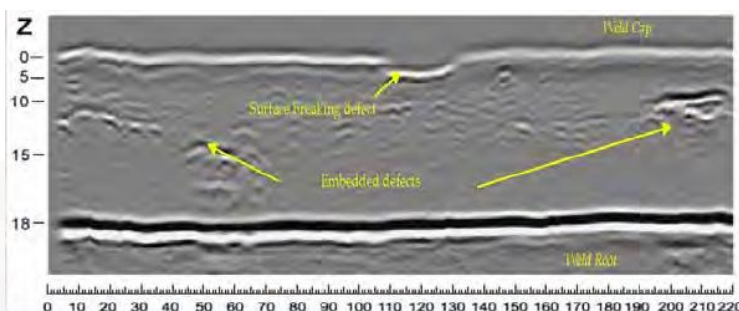
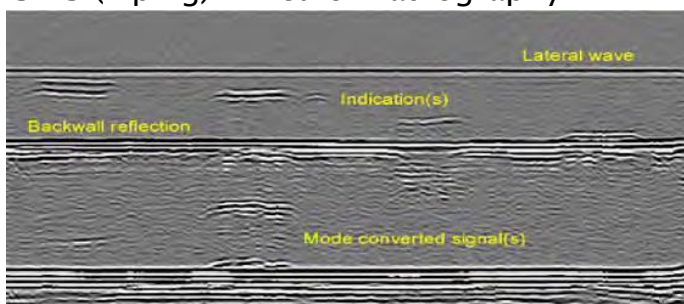
1. Phased Arrays & TOFD inspection for Pressure vessels and Piping.
2. AUT of Cross-country pipelines.
3. Consultancy in AUT and NDT Level III (ASNT/ACCP) services.

FUTURE EXPANSION PLANS:

- Alternative current field measurement (ACFM) for underwater inspection.
- Long range ultrasonic testing (LRUT) for buried piping/pipelines/risers.
- Condition monitoring of rotating & reciprocating equipment using vibration analysis

TOFD - TIME OF FLIGHT DIFFRACTION OF PRESSURE VESSELS AND PIPING

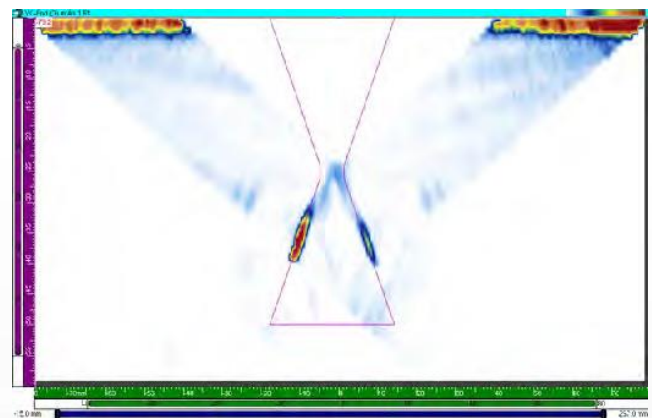
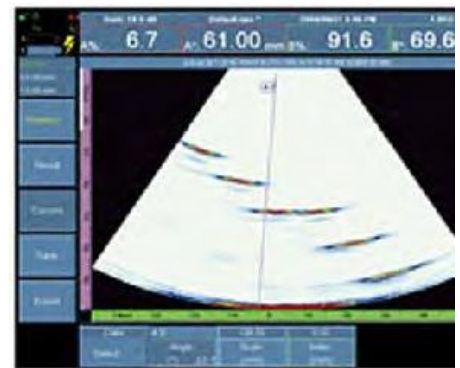
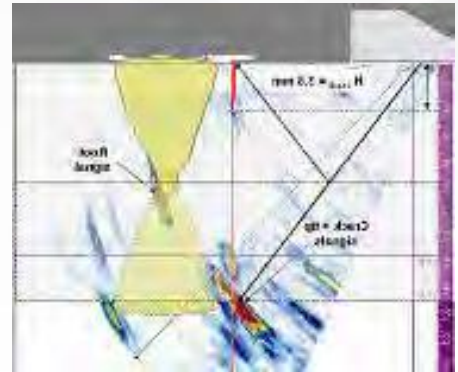
- A virtual replacement for Radiography (Cross sectional view of the weld as below)
- TOFD is safer than Radiography testing and more environmentally friendly.
- Because No Ionizing radiation is required, the inspection does not interfere with the production process. TOFD inspections can therefore take place in parallel to production work.
- TOFD known to generally allow for better weld defect identification, location and accurate sizing.
- TOFD has High probability of detection (POD), Low False Call Rate, High accuracy in flaw sizing.
- The TOFD technique is a fully computerized and automated system able to scan, store, and evaluate indications in terms of height, length, and position with a grade of accuracy never achieved by other ultrasonic techniques.
- Thicknesses within the range of 6 to 450 mm can be examined.
- TOFD examinations are possible to temperatures of up to 250°C.
- Acceptable to ASME Sec VIII (Pressure Vessels) & ANSI B 31.3 (Piping) in lieu of Radiography.



PHASED ARRAY ULTRASONIC TESTING

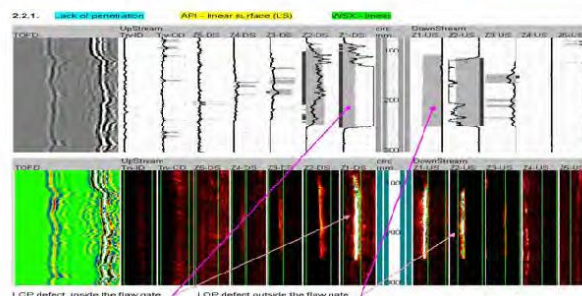
Phased Array provides...

- Multiple-angle inspection with a Single, Small, Electronically controlled Multi-element probe.
- Software control of beam angle, focal distance, and spot size.
- High-speed scans with no moving parts are much faster than single-probe conventional mechanical systems, at the same time offering better coverage.
- A-Scan, B-Scan, C-Scan, D-Scan and S-Scans (Sectorial scanning) for full coverage of the components.
- Many configurations and greater flexibility for inspection of complex geometries such as Flange to pipe joints, pipe to bends, T-joints, Tie-in joints, Transition joints etc.
- Showing a "true depth" image of defects is much easier to interpret than a waveform. The data can be saved and redisplayed as required.
- Real-time data interpolation to improve spatial representation of defects during acquisition of data.
- Code Compliance to ASME Sec VIII (Pressure Vessels) & ANSI B 31.3 (Piping) in lieu of Radiography.



AUTOMATED ULTRASONIC TESTING (AUT) FOR CROSS COUNTRY PIPELINES

- AUT offers a better inspection solution with lower reject rates than radiography.
- Faster inspections (100 mm/sec), Low operating costs, High reliability, and Repeatability.
- Weld-to-weld inspection time of less than four minutes for a 36-inch diameter pipeline.
- Pipe wall thickness from 6 mm to 50 mm.
- No radiation hazard or harmful chemicals usage, enabling Safer and Greener inspection without interfering with production.
- No inspection equipment required inside the pipe such as RT crawler, eNo Crawler inside the pipe, enabling easy access to welds from outside for complete inspection.
- Better detection of most critical defects especially planar defects such as lack of Fusion (LOF) and Lack of Penetration (LOP)
- Instant test results enable better process control of welding, giving lower rejects.
- Digitized archiving of weld scans, enables reviewing of results anytime anywhere.
- Rapid and reliable data interpretation using Strip chart A-Scan display, TOFD (B-Scan) display for defect confirmation, Mapping (C-Scan) display for volumetric defects and Geometric reflections.
- Accurate flaw sizing in through wall direction, an essential component required for ECA (not practical with Radiography).
- Rapid and reliable data interpretation using Strip chart A-Scan display, TOFD (B-Scan) display for defect confirmation, Mapping (C-Scan) display for volumetric defects and Geometric reflections.
- Acceptable to Pipeline construction codes such as DNV-OS-F101 (Submarine Pipeline Systems), API 1104 (Welding of Pipelines), etc. in lieu of Radiography.
- Conformance to ASTM Standard E-1961 (Mechanized UT for Girth welds)



STANDARD OPERATING PROCEDURES

STANDARD OPERATING PROCEDURES

Procedure No	Description
IGTS-SOP – 001	Written Practice
IGTS-SOP – 002	Ultrasonic Test
IGTS-SOP – 003	Ultrasonic Test- Structural & TKY
IGTS-SOP – 004	Magnetic Particle Test
IGTS-SOP – 005	Dye Penetrant Test
IGTS-SOP – 006	Radiography Test
IGTS-SOP -007	Ultrasonic Thickness Gauging
IGTS-SOP – 008	Visual Examination
IGTS-SOP – 009	Radiation Safety Procedure
IGTS-SOP – 010	Tensile Test
IGTS-SOP – 011	All Weld Tensile Test
IGTS-SOP – 012	Tensile Test at elevated temperature
IGTS-SOP – 013	Bend Test
IGTS-SOP – 014	Optical Emission Spectrometer
IGTS-SOP – 015	Vickers Hardness Test
IGTS-SOP – 016	Macro & micro examination
IGTS-SOP – 017	Rockwell Hardness Test
IGTS-SOP – 018	Portable Hardness Test
IGTS-SOP – 019	Fillet Fracture Test

STANDARD OPERATING PROCEDURES

IGTS-SOP – 020	Nick Break Test
IGTS-SOP – 021	Field Replica Metallography
GTS-SOP – 022	Hydrogen Induced Cracking Test
IGTS-SOP – 023	SSCC Test
IGTS-SOP – 024	Failure Analysis
IGTS-SOP – 025	Intergranular Corrosion Test
IGTS-SOP – 026	PMI Test
IGTS-SOP -027	Tank Inspection
IGTS-SOP – 028	Vessel Inspection
IGTS-SOP – 029	Paint & Coating Inspection
IGTS-SOP – 030	Holiday Detection
IGTS-SOP – 031	Pressure Test
IGTS-SOP – 032	Radiation Emergency Procedure
IGTS-SOP – 033	Charpy Impact Test Procedure (ASTM)
IGTS-SOP - 033A	Charpy Impact Test Procedure (BS)
IGTS-SOP – 034	Radiography in Pipeline
IGTS-SOP – 035	Ultrasonic Test-BS Standard
IGTS-SOP – 036	Heat Treatment
IGTS-SOP – 037	Structural & Piping Inspection
IGTS-SOP – 040	Test Procedure for Radiographic Testing as per British Standard

STANDARD OPERATING PROCEDURES

IGTS-SOP – 041	Test Procedure for Vacuum Box Leak Testing
IGTS-SOP – 042	Test Procedure for Ultrasonic Inspection as per British Standard
IGTS-SOP – 043	Test Procedure for Magnetic Particle Inspection (British Standard)
IGTS-SOP – 044	Transportation Security Plan For Radioactive Sources
IGTS-SOP – 045	Security Plan For Radioactive Sources
IGTS-SOP – 046	Ultrasonic Inspection Procedure for Straight Beam (Lamination / Debonding)
IGTS-SOP – 047	Procedure for Physical Inventory Taking & Nuclear Material Accounting & Control
IGTS-SOP – 048	Procedure for Export & Re-export of Radioactive Sources
IGTS-SOP – 049	Procedure for Handling Radioactive Sources and Protective Devices
IGTS-SOP – 050	Investigation Procedure for Loss or Overdose of Personnel Radiation Monitor
IGTS-SOP – 051	Procedure for Disposal of Decayed Radioactive Sources
IGTS-SOP – 052	Procedure for Removing Source from Pit Room for Project Work
IGTS-SOP – 053	Procedure for Keeping Back Source in Pit Room after Project Work
IGTS-SOP – 054	Procedure for Outgoing and Incoming Vehicle with Source
IGTS-SOP – 055	Procedure for Training on Radiographic Source Security
IGTS-SOP – 056	Procedure for Locks, Keys & Safes Management
IGTS-SOP – 057	Procedure for Radioactive Source Security Breach / Emergency
IGTS-SOP – 058	Measurement of Uncertainty- Hardness Test
IGTS-SOP – 059	Measurement of Uncertainty-Tensile Test
IGTS-SOP – 060	Measurement of Uncertainty-Impact Test

SIGNATURE PROJECTS

MAJOR PROJECTS

PROJECT NAME	CLIENT / END USER
GASCO-IGD-Habshan 5 Process Plant	GASCO-Kharafi National (NDT, Mech, PWHT)
Turkmenistan, Elmerk, Epic Gas, South Yologten, Qatar Petroleum, Badra	Petrofac International (NDT, Mech, PWHT)
Construction Of Male / Female High School Project No: 6022	ADNOC (NDT, Mech, PWHT)
Ruwais Housing Complex Expansion Phase II Project No: 5980	ADNOC (NDT, Mech, PWHT)
Ferrari Experience -Yas Island, Midriff City Centre , Vision Tower	RASANA Engineering (NDT, Mech, PWHT)
Hyundai India, Reliance India, LPG- At Chennai Airport	Gerab International (NDT, Mech, PWHT)
10,000 M3 Capacity Self Supporting Dome Roof Tank	Al Nasr Engineering (NDT, Mech, PWHT)
Samsung Engineering GASTECH, Technmont	GMMOS (NDT, Mech, PWHT)
New Doha International Airport : Abu Dhabi Future School Program	ETA Mechanical
DUSUP-Dewa Project	Dutco Mcconnell Dowell (NDT, Mech, PWHT)
GASCO, Petrofac, Qatar Petroleum	Alinco (NDT, Mech, PWHT)
Shell Iraq	Ferrofab (NDT, Mech, PWHT)
Ruwais Nitrogen Pipeline Project, YLNG, Petrofac, Plenty Process Exchange	Nash Engineering
Dhabol - Bangalore Pipeline Project	Auto Ut Sysytems India Pvt. Ltd..(Aut)

MAJOR PROJECTS

Gumusut - Kakap FDS Project	Malaysia Marine & Heavy Engg. Sdn. Bhd. (Mmhe) Pasirgudang, Malaysia ,(Aut)
Fabrication Of 21"X22.1 mm Riser I Pipes In Accordance With API 16 A	Aker Solution SDN BHD. Auto systems india Pvt.Ltd (AUT)
Habshaan-5-Process Plant	Wellway oil Field Inspection Services, Dammam, Abudhabi, UAE.,(AUT)
Fluid Catalytic Cracking Absorber	Hi-Tech NDT Inspection Services Est, Damman, Saudi Arabia.,(AUT)
FPSO PSVM Deep Water	Cu-Ni Piping Ranging From 7mm to 13mm Wall Thick (Dia 12",16",18" & 20") (AUT)
IGD-DAS Island Project,55 to 75mm WT + SS 316L Clad	Quality International Co. FZC Hamriyah Free Zone, Sharjah, UAE (AUT)
107mm WT + SS 316L Clad MDEA Absorber Column Pressure Vessel For Gas Sweetening Facilities (GSF) Project For Mesajeed & Dukhan	Interface Technical Inspection, Dubai, UAE.,(AUT)
309 Nos. Piping Miters (84"X90/45,96"X90/45) for Takreer RRE Package #3 Project.(Total Weld Length approx. 9000m)	FBM-KNM, Dubai (NDT, Mech, PWHT, AUT)
15 Nos. Pressure Vessels with Wall Thickness Ranging from 14 to 32mm for JUBAIL export Refinery,Saudi Arabia	Hi-Tech NDT Inspection Services Est, Dammam, Saudi Arabia,(AUT)
40 nos. Pressure Vessels with WALL thickness 45,55 & 70 mm Jubail Export Refinery, Saudi Arabia	Hi-Tech NDT Inspection Services Est, Dammam, Saudi Arabia,(AUT)
Xylene Return Column With Wall Thickness Ranging From 53 to 56 mm For Jubail Export Refinery, Saudi Arabia	Hi-Tech NDT Inspection Services Est, Dammam, Saudi Arabia,(AUT)
4 nos. Pressure Vessels With Wall Thickness 14,18,22,25,28,30 & 32 mm	Ferrofab FZCO, Jabel Ali, Dubai, UAE (AUT)
North Tapti Gas Field Development	Ferrofab FZCO, Jabel Ali, Dubai, UAE (AUT)

MAJOR PROJECTS

SADAF Expansion Project (Reactor Gas /Gas Exchange)	FBM-KNM, Dubai (NDT, Mech, PWHT,AUT)
4nos. Pressure Vessels with Wall Thickness Ranging from 16 to 38 mm for Jubail Export Refinery, Saudi Arabia	Hi-Tech NDT Inspection Services Est, Dammam, Saudi Arabia,(AUT)
72 nos. Pressure Vessels with Wall Thickness Ranging From 27 to 66mm for Ras Al Saur-Riaydh Water Transmission System Project	Hi-Tech NDT Inspection Services Est, Dammam, Saudi Arabia
Gorgon, Rock Transport Arrangement	Offshore Construction Specialists Pte Ltd.,(OCS),(AUT)
Petroleus De Portugal, Petrogal S.A.	FBM-KNM, Dubai (NDT, Mech, PWHT, AUT)
Fabrication of 21"X22.1mm Riser Pipes	Aker Solutions, NDT Hi-Tech Inspection Services (M) SDN BHD, Malaysia
30nos. Sand Traps Fabrication,Manifa Sand Traps Project	ZAMIL Steel / Saudi ARAMCO Hi- Tech Engineering Inspection Services Pvt Ltd ,Chennai,India
Yadana - Yangoon GAS Development Project, Yangoon	Worley Parsons Pte Ltd., Singapore (STENATECH)
Annual NDT Service Contract	Prefect International FZC Sharjah, UAE
Annual NDT Service Contract	Perfect Engineering LLC, Dubai, UAE
Bohaibay fields Development Project.Bohai bay & Weizhou,China	Caldive International Inc., Singapore
Bohaibay fields development project, Bohai bay & WeiZhou, china	CalDive Internationak Inc...Singapore
HDCE Project, India Bohaibay fields development project	Sheffield Offshore Services, Singapore
Steam Drums H-1 1001-V1 to H-1 1009-V1 (9 Nos. X 122MM W.T)	FBM-KNM, Dubai (AUT)

MAJOR PROJECTS

Transportation & Installation of Offshore Wellhead Platform Top side and Pipeline for the PY-1 Gas Field (OLB SEA Horizon)	CalDive International Inc., Singapore
TOFD Scanning of ASME Qualification blocks (89 mm & 59 mm W.T)	A-Star Training & Consultancy, Singapore
ASNT Level III Services for the AUT of 5 Nos. Coded Pressure vessels (M-380A, M380B & M-380C-58 mm WT, D-380 56 mm WT, R-386 54 mm W.T)	ABS Consulting Inc., Singapore
Transportation & Installation of JASMINE & BANYEN JACKETS	Horizon Marine Construction (M) Ltd., Singapore
CUEL-Transportation and Installation of offshore Facilities (JASMINE & BANYEN JACKETS)	Sheffield Offshore Services, Singapore
Transportation and Installation of Offshore Facilities (Brunel Shell) Pipeline replacement	Swiber Offshore Services, Singapore
Third Party Inspection (TPI)	ABS Consulting Inc., Singapore
DUPL Pipeline Project (Onshore)	Weldsonix inc, USA (AUT)
DPPL Pipeline Project (Onshore)	Weldsonix inc, USA (AUT)
West Africa Gas Pipeline Project (WAGP), Offshore pipeline from Ghana to Nigeria. (DLB SEA Horizon & LB Brazos Horizon)	Horizon Marine Construction (M) Ltd., Malaysia (QA/QC)
North Lulku & penara Drilling Platforms & Pipelines project (DLB SEA Horizon)	Horizon Marine Construction (M) Ltd., Malaysia (QA/QC)
Heavy Lift & Pipeline work 2003 (DLB SEA Horizon)	Horizon Marine Construction (M) Ltd., Malaysia (QA/QC)
Leighton Offshore Fred. Olsen wind carrier	Lamprell
Mall of Qatar Skyline Gabbro Terminal Expansion	Eversendai (Ndt, Mech)

MAJOR PROJECTS

Rak Factory Midfield Terminal Building-ADIA	Eversendai (Ndt, Mech)
RIU Hotel Project	BINLADIN CONTRACTING GROUP - (NDT, Mech, TPI)
Dubai Harbour cruise terminal	CBEME (NDT, Mech, TPI)
GOLDEN OIL REFINERY NAJAF - IRAQ	SPEC OIL AND GAS FZCO (RT, UT, MPI)
NAPTHA REFORMING PLANT -IRAQ	SPEC OIL AND GAS FZCO (RT, UT, MPI)
GAMBAT SOUTH GAS PROCESSING FACILITY (GPF-III)	SPEC OIL AND GAS FZCO (RT, UT, MPI)
IKIKE Project - EMERSON	VERSATECH AUTOMATION FZE (RT)
EPC AND COMMISSIONING OF KOC MOLTEN SULPHUR HANDLING FACILITIES AT MAA REFINIERY	NAFFCO (RT)
AL ZOUR REFINERY	NAFFCO (RT)
AL NAKHEEL MEAT FACTORY KHARTOUM	ADEAREST (RT)
150 MIGD IWP SWRO-UMM AL QUWAINN - 'SIDEM	FABCON (RT)
Topside Modification For New Gas Lift Facilities At Upper Zakum- ADYARD-ADNOC	HABU TECHNOLOGY (RT)
SALALAH LPG Extraction Project - Emerson FZE	VERSATECH AUTOMATION FZE (RT)
Bed Area Chemical Injection Skid - Badr Petroleum Company	VERSATECH AUTOMATION FZE (RT)

MAJOR END USERS

LIST OF CUSTOMERS

AL SWISS GROUP OF COMPANIES+AA2:D24	BUREAU VERTAS S.A
AUTOMECH HEAY INDUSTRIES	BETA INSPECTION SERVICES
AL REYAMI TECHNICAL SERVICES	BUREAU VERITAS
AMANA INDUSTRIES	CONTECH ENGINEERING CO LLC
ARABIAN PIPE SUPPLY	CAMTECH MANUFACTURING FZCO
ATG LTD FZC	CORE METALIC IND LLC
ALUCOR LTD	CRYSTAL STAR TECH CONT.LLC
ANGLO EASTERN ENGINNERING	CHEMIE TECH
AL NASER ENGINEERING	CONARES STEEL
ARIES MARINE & ENGG SERVISSES	ELECON PIOES SUPPLY FZE
ARABIAN INTERNATIONAL COMPANY	CCC SICON
AIIA BOLT LLC	CONSILIUM MIDDLE EAST (FZC)
ASSENT	CLARION ENGINEERING LLC
AL NIMIRSTEEL TRADING LLC	CLEVELAND BRIDGE AND ENGG MIDDLE EAST
ALINCO PIPE SUPPLY	DUTCO MCCONNEL DOWELL(ME)
ADEAREST	DUBAI STEEL
ALL METAL INDUSTIRES LLC	DBMSC STEEL FZCO
ALI MOOSA & SONS	DANEM ENGINEERING WORKS FZE
AL SHABIAH ENGINEERING CO LTD	DOLPHIN CONSTRUCTION LLC
ALAM STEEL IMITED	DRAGON ENGINEERING
AL SAQR FIBERGLASS FACTORY LLC	DESCON ENGINNERING HMV
AL SHIRAWI EQUIPMENT COMPANY	DANEM ENERGY LLC
ADVANCE TECHNO FLOW FZE	EMIRATES BUILDING SYSTEM CO LLC
ACCUTECH INSTRUMENTATION SERVICES	EMIRATES DUTCH STAR ENGINEERING
AL MINA METALS EQUIPMENT COMPANY	ETA-MECHANICAL LLC
AFFAN BUILDING SYSTEM LLC	ELITE VENTURES
AL BILAL GROUP	ENGINEERING DYANAMIC FZC
AL SANA ENGG TURNING LLC	ENERSUL LIMITED PARTNERSHIP
AIR LIQUIDE EMIRATES FOR INDUSTRIES	EMIRATES HEAVY INDUSTRIES
ARAB HEAVY INDUSTRIES	EXTRA CO INDUSTRIES LLC
ARIES MARINE & ENGG SERVISSES	ELECON PIPES SUOOLY FZE
ETA PROFILE LLC	KNM FBM-KNM FZCO
EMIRATES TRANSPORT	KWIK STEEL STRUCTURES FZCO
EKC INTERNATIONAL FZC	KHARAFI NATIONAL
EVERSENDAL ENGINEERING FZE	KHANSABEH CIVIL ENGINEERING
FERROFAB FZE	LION WELD MEISER LLC
FLOWSERVE GULF FZE	MAMMUT BUILDING SYSTEMS
FABTECH INTERNATIONAL LTD	MEFAB ENGINEERING INDUSTRIES
FEDERAL PIPE FITTINGS LLC	MAHMOOD NOOR BUILDING MATERIAL
GERAB NATIONAL ENTERPRISES	MONSTAR METAL CONTRACTING LLC

LIST OF CUSTOMERS

GULF JOTHI INTERNATIONAL LLC	MAGNUM TECHNOLOGY CENTER LTD
GORICA INDUSTRIES LLC	MC DERMOTT MIDDLE EAST INC
GLOBAL ELECTRIC COMPANY WILL	MEZON STAINLESS STEEL FZE
GULF TURRETS LLC	MAMMUT INDUSTRIES
GATES ENGINEERING & SERVICES	MGI VILMAR SERVICES
GUARDIAN ZOUJA INTERNATIONAL	MENA WATER FZCO
GRAT SEA INTERNATIONAL TRADING	NASH ENGINEERING
GMMOS	NATIONAL ENGINEERING SOLUTION
HYDROFIT	NATIONAL HLDING AND AL MOJIL
HANMAEK UAE FZ LLC	NOVA SYSTEMS
INTEGRATED GAS SERVICES CO LLC	OVERSEAS AST COMPANY LLC
INCO INTERNATIONAL FZCO	OSA ENGINEERING WORKS CO
INSPCTEST INDUSTRIEL SOLUTIONS	ORYX PIPING ASSOCIATES
IMECO	OCTOBER TRANSPORT
INSPEC SERVICES	ORIENTAL FASTENERS
INDATA OIL FIELD EQUIPMENT MAN	ONYX INDUSTRIES FZC
IDEAL GAS CO	PETROFAC FACILITIES MANAGEMENT
INTERFACE TECHNICAL INSPECTION	PERFECT ENGINEERING FZCO
J.REID ENGINEERING IND LLC	PETROGAS PIPING MIDDLE EAST FZ
PROJECTS BULK PIPING FZC	SFC FASTENERS MANUFACTURING LLC
PFF MIDDLE EAST FZE	TRIPLE FAST MIDDLE EAST LIMITE
PHOCEENNE MIDDLE EAST	TOPAZ ENGINEERING UAE
PIPETECH INTERNATIONAL EQUIP LLC	THE CORRECT WAY WELDING SURVEY
PETRO FAST MIDDLE EAST FZE	TRINITY MECHANICAL
PRECISION METAL WORKS & WELDIN	TURBOTIM LLC
QUALITY INTERNATIONAL LLC	TREND INDUSTRIES FZC
RASANA ENGINEERING IND CO LLC	TUV RHEINLAND MIDDLE EAST FZE
RUDIMENT ENGINEERING LLC	TEAM SAFETY CONSULTANTS
ROLLSTUD MIDDLE EAST INC	TROUVAY & CAVIN (T&C GULF)
SHIELD GAS SYSTEMS CO LLC	TILE MARINE LLC
SEACORR INDUSTRIAL INSPECTION	TEREX MATERIAL HANDLING
SUPERTECH METAL INDUSTRY LLC	TORISHIMA SERVICE SOLUTIONS
SERCK SERVICES INT.	TECHNICAL SUPPLIER & SERVICES CO
SABAARI STEEL WORKS	TECHNIP FRANCE
SILVER LINE INDUSTRIAL ENG. INTL	UNIVERSAL TUBE & PIPE INDUSTRIES
SYSTEM CONSTRUCT	UNITED MIDDLE EAST ENGINEERING
STEELMATES INTERNATIONAL FZC	WMS METAL INDUSTRIES
SUN STEEL INDUSTRIES	WELL WAY OIL FIELD INSPECTION
SPECIALIST SERVICES	WIKA MIDDLE EAST FZE
SHADMAN TENTS IND LLC	WEIR ENGINEERING SERVICES CO
SARSAN OIL FIELDS SUPPLY CENTRE	YEREVAN STEEL CONSTRUCTION CO
SPT OIL FIELD EQUIPMENT	

LIST OF KEY PROFESSIONALS

MANAGEMENT



STEPHEN SUNDARRAJ

CHAIRMAN & CEO

Mechanical Engineer, ASNT/ACCP
- NDT Level III, AUT Specialist,
CSWIP 3.1, Lead Auditor ISO 9001

25 Years of Experience

ENGINEERING PROFESSIONALS

S. NO	NAME	POSITION	QUALIFICATION	YEAR OF EXPERIENCE
2	Sathish Kumar. S	Operations Manager	B.Tech	12 Yrs
3	Ramesh P Nair	NDT Supervisor	DME	20 Yrs
4	Sebastian	Mech Supervisor	B.E	14 Yrs
5	Sivaraj Ramaswami	NDT Co ordinator	DME	4 Yrs
6	Balamurgan	Testing Engineer	B.E	3 Yrs
7	Faisal Sheikh	Metallurgist	B.E	3 Yrs
8	Jinu Shaji	Inspection Engineer	B.E	5 Yrs
9	Ramakrishna Gubala	Inspection Engineer	B.E	8 Yrs
10	Sathish Saravanan	Inspection Engineer	B.E	4 Yrs
11	Prem Kumar	Inspection Engineer	B.E	5 Yrs
12	Rajesh	QA/QC Inspector	DME	14 Yrs
13	Ramachandran	QA/QC Inspector	DME	8 Yrs
14	Nebu Varghese	QA/QC Inspector	DME	5 Yrs
15	Murugesan	AUT Technician	DME	9 Yrs
16	Rajanivel Kanthan	AUT Technician	DME	5 Yrs
17	Vinod Kuumar	AUT Technician	DME	6 Yrs

RESUMES OF KEY PERSONNEL

SUMMARY OF EXPERIENCE:

Over 25 years of experience in Quality Control, Quality Assurance, NDT and In-service Inspection of static equipments in the fields of chemical, petrochemical, Oil & Gas construction industries. Work experience covers various aspects of Quality activities such as preparation of Quality plans, NDT plans & procedures, NDT/QC personnel evaluation, Qualification of Welding procedures and Welders, Material receiving inspection, Internal and External Quality system auditing etc.



STEPHEN SUNDARRAJ

ACADEMIC & PROFESSIONAL ATTAINMENT:

- Mechanical Engineer
- ASNT/ACCP - NDT Level III in RT, UT, MT, PT & VT
- AWS CWI / CSWIP 3.1 Welding Inspector
- Lead Auditor (ISO 9000 Quality Management System)
- Automated Ultrasonic Testing (AUT) Operator – Trained & Qualified by Weldsonix Inc., USA.
- TOFD Operator – Trained & Certified by Automated Inspection Systems Inc. (AIS), USA.
- Phased Array UT Operator – Trained & Certified by Lavender International NDT Training School, UK.

PREVIOUS EMPLOYERS:

- CALDIVE INTERNATIONAL, USA.
- HORIZON OFFSHORE CONTRACTORS, USA.
- LLOYDS REGISTER OF SHIPPING, Dubai.
- J.RAY McDERMOTT SA, Dubai.
- OFFSHORE PIPELINES INTERNATIONAL Inc. (OPI), Bahrain.
- SPIC-SMO, India.

SIGNATURE AUT PROJECTS HANDLED:

- NDT Level III for TOFD/Phased Array Inspection of Piping welds – CAPCO Project, Hongkong (**WORLEY PARSENTS Approved**)
- NDT Level III for TOFD/Phased Array Inspection of Piping welds – IGD-5 Habshan Project (**GASCO/JGC/TECHNIMONT Approved**)
- NDT Level III for TOFD/Phased Array Inspection of CS,LS & Nozzle Lip welds – 146 mm with Clad for Saudi Arabian Oil Company, Wasit Gas Program (WGC) Project (**SAUDI ARAMCO Approved**)
- NDT Level III for the Phased Array of Piping girth welds in Sabah Shell Petroleum Company's (SSPC) Gumusut-Kakap FPS project in MMHE, Malaysia (**SHELL Approved**)
- TOFD and Phased Arrays Inspection of 107 mm WT (Clad) MDED Absorber column for Petrofac/Qatar Petroleum at MIS, Sharjah, UAE.
- TOFD and Phased Arrays Inspection of 55 to 75 mm WT (Clad) pressure vessels for **Samsung/ADGAS** at Quality International Co FZC, Sharjah, UAE.
- Phased Arrays Inspection of Piping Miter welds for **Takreer / Samsung / JFC** at FBM-KNM, Dubai. UAE
- Phased Array inspection of Copper-Nickel (Cu-Ni 90/10) welds (WT 7mm to 13 mm) for BP Angola's FPSO PSVM project in Singapore (**BP Approved**)
- NDT Level III services for TOFD Inspection of CS/LS vessel welds and Phased Array Inspection of Nozzle welds for the Clients "Zamil Steel PED" & "MIS Arabia" related to "Jubail Export Refinery" Project in Dammam, Saudi Arabia (**Technip Approved**)
- TOFD/Phased Array Inspection of CS welds – 53 mm, 25/53 mm Transition, 22 mm WT for FBM-KNM/Shell/SABIC (**SHELL Approved**)
- TOFD/Phased Array Inspection of CS welds & Nozzles– 90, 105, 115, 122, & 146 mm WT for FBM-KNM (**KBR Approved**)
- NDT Level III services for TOFD UT inspection of Circumferential & Longitudinal butt welds of 25 to 66 mm WT pressure vessels (72 Nos.) For Zamil Steel / SWCC, Saudi Arabia.
- Phased Array data review (Level III) for 30 nos. Manifa Sand Traps for Zamil Steel / Saudi Aramco, Saudi Arabia. (**Saudi Aramco Approved**)
- NDT Level III services for Phased Array UT inspection of circumferential butt welds of 21" X 22.3 mm WT Drill pipes for Aker Solutions, Malaysia.

CONTACT REFERENCES

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SATHISH KUMAR. S

Operations Manager

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LOCATION MAP

INDOGULF INSPECTION AND TESTING SERVICES

Quality Integrity Reliability



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P.O. Box: 390061, United Arab Emirates
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Fax: +971 4 884 9424
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Latitude: 24.991883
Longitude: 55.09793760000002

Abu Dhabi
P.O. Box: 126842, United Arab Emirates
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Latitude: 24.4784108
Longitude: 54.35470559999999

Website: indogulf.ae