



APN Global

Solution provider for NDT & PWHT

Middle-east Africa Asia

ISO 17020 ISO 9001 ISO 45001

Major Clients

ARAMCO
SABIC
MARAFIQ
MA'ADEN
SEC
JGC
Hyundai E&C
Hyundai Engineering
Hyundai Heavy Industry
Samsung C&T
Samsung Engineering
GS E&C
SK E&C
Daelim
Daewoo E&C
POSCO
Doosanenerbility

ABOUT US

Solution provider for NDT & PWHT

APN Co. Ltd. (Korea, C.R 2148125517) has been a leader in the field of NDT & PWHT services in Korea since 1991.

With establishment of a branches globally & successful completion of a wide range of NDE & PWHT services in Middle-East, Africa & Asia.



Key Figure

288

Workforce

ASNT Level III 32
ISO 9712 Level III 5
ISO 9712 Level II 33

Radiation Protection Supervisor 3
Radiation Protection Officer 29

PWHT Specialist 13

8

Global Offices

Saudi (C.R 2051037019)
Oman (C.R 1025241)
Iraq (C.R 4577)
Qatar (C.R 156613)
Egypt (C.R 66697)
Mozambique (C.R 101424235)
Indonesia (C.R 9120208990497)
Malaysia (C.R 1082931)
Dominican Rep. (C.R 177398SD)

ISO 9001
ISO 45001
ISO 17020

Certification & Accreditation

Quality Management
Health & Safety Management
Inspection Body Accreditation

6

Major Overseas On-going Project

Qatar LNG Project (North Field Expansion EPC-2)
Dominican Rep. Andres LNG Terminal Project
Mozambique LNG Project
Iraq Karbala Refinery Project
Iraq Basrah Refinery Upgrading Project
Indonesia LINE Project



What We Do



Conventional & Advanced NDT

Ultrasonic Testing (UT)

Phased Array (PAUT)

Time of Flight Diffraction (ToFD)

Guided Waves (GW)

Film Radiography Testing (RT)

Digital/Computed Radiography (DR/CR)

Close Proximity Radiography (CPR)

Instrumented Indentation Test (IIT)

Penetrant Testing (PT)

Visual Testing (VT)

Magnetic Particles Testing (MT)

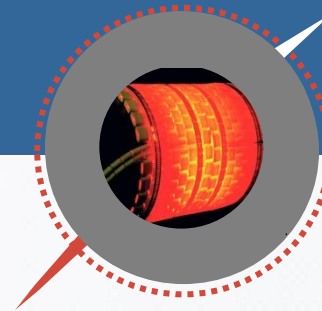
Magnetic Flux Leakage (MFL)

Eddy Current Testing (ECT)

Internal Rotary Inspection System (IRIS)

Positive Material Identification (PMI)

Ferrite Test



Heat Treatment

Pre-Heating

Post-Weld Heat Treatment (PWHT)

Hardness Test

Furnace

Our Strength



Understand Client's Need

Picture 1
Introducing PAUT & ToFD
to Egyptian Refining Company



Provide Optimal Solution

Picture 2
Introducing Advanced NDT Solution for Corrosion Under
Insulation(CUI) to Saudi ARAMCO



Meet the Client's Expectation

Picture 3
Introducing CR & DR to Saudi ARAMCO
- CR : *Computed Radiography*
- DR : *Digital Radiography*

* Qualification (Sample : Saudi ARAMCO)

SAUDI ARAMCO INSPECTION DEPARTMENT INSPECTION TECHNICAL SUPPORT DIV CNDT & PS Unit Dhahran Bldg. 2280 R-219 Tel +966 3 872-0253 Fax +966 3 872-0633			
DOCUMENT REVIEW			
Date:	09/10/2022	Ref: DRR-22-024	Page: 1
Bi #	Various Bi's	Project	All Saudi Aramco Projects
Document Ref.:	N/A	Procedure No.:	APN-UT-SA-001, Rev.00
Procedure Title:	RADIOGRAPHIC EXAMINATION PROCEDURE		
Prime Contractor:	APN Inspection International Co.		
Review Status:	<input type="checkbox"/> TECHNICALLY ACCEPTED <input type="checkbox"/> REVISION REQUIRED <input type="checkbox"/> REJECTED		
<input type="checkbox"/> APPROVED WITH COMMENTS <input checked="" type="checkbox"/> APPROVED			
APPLICABLE CORRECTIVE ACTIONS: <input type="checkbox"/> ASME V <input type="checkbox"/> ASME VIII <input type="checkbox"/> API 1104 <input type="checkbox"/> API 650 <input type="checkbox"/> ASNT CP-189 <input type="checkbox"/> AWS B3.1 <input type="checkbox"/> AWS B3.3 <input type="checkbox"/> AWS B1.8 <input type="checkbox"/> AWS D1.1 <input type="checkbox"/> API 5L <input type="checkbox"/> SARP-1142			
Item	Comment		
	This approval is valid for all Saudi Aramco Projects		
NOTE: PDI/VID/PMT is responsible for defining/confirming the scope of work in the procedure as per the approved design.			
End of Comments			
Reviewer: Muhammad Al Madani	Signature:		
ASNT NDT Level: III-0829			

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DOCUMENT REVIEW			
Date:	09/10/2022	Ref: DRR-22-024	Page: 3
Bi #	Various Bi's	Project	All Saudi Aramco Projects
Document Ref.:	N/A	Procedure No.:	APN-UT-SA-001, Rev.00
Procedure Title:	ULTRASONIC EXAMINATION PROCEDURE		
Prime Contractor:	APN Inspection International Co.		
Review Status:	<input type="checkbox"/> TECHNICALLY ACCEPTED <input type="checkbox"/> REVISION REQUIRED <input type="checkbox"/> REJECTED		
<input type="checkbox"/> APPROVED WITH COMMENTS <input checked="" type="checkbox"/> APPROVED			
APPLICABLE CORRECTIVE ACTIONS: <input type="checkbox"/> ASME V <input type="checkbox"/> ASME VIII <input type="checkbox"/> API 1104 <input type="checkbox"/> API 650 <input type="checkbox"/> ASNT CP-189 <input type="checkbox"/> AWS B3.1 <input type="checkbox"/> AWS B3.3 <input type="checkbox"/> AWS B1.8 <input type="checkbox"/> AWS D1.1 <input type="checkbox"/> API 5L <input type="checkbox"/> SARP-1142			
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DOCUMENT REVIEW			
Date:	09/10/2022	Ref: DRR-22-024	Page: 5
Bi #	Various Bi's	Project	All Saudi Aramco Projects
Document Ref.:	N/A	Procedure No.:	APN-MT-SA-001, Rev.00
Procedure Title:	MAGNETIC PARTICLE EXAMINATION PROCEDURE		
Prime Contractor:	APN Inspection International Co.		
Review Status:	<input type="checkbox"/> TECHNICALLY ACCEPTED <input type="checkbox"/> REVISION REQUIRED <input type="checkbox"/> REJECTED		
<input type="checkbox"/> APPROVED WITH COMMENTS <input checked="" type="checkbox"/> APPROVED			
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DOCUMENT REVIEW			
Date:	09/10/2022	Ref: DRR-22-024	Page: 2
Bi #	Various Bi's	Project	All Saudi Aramco Projects
Document Ref.:	N/A	Procedure No.:	APN-UT-SA-001, Rev.00
Procedure Title:	MANUAL ULTRASONIC THICKNESS TESTING PROCEDURE		
Prime Contractor:	APN Inspection International Co.		
Review Status:	<input type="checkbox"/> TECHNICALLY ACCEPTED <input type="checkbox"/> REVISION REQUIRED <input type="checkbox"/> REJECTED		
<input type="checkbox"/> APPROVED WITH COMMENTS <input checked="" type="checkbox"/> APPROVED			
APPLICABLE CORRECTIVE ACTIONS: <input type="checkbox"/> ASME V <input type="checkbox"/> ASME VIII <input type="checkbox"/> API 1104 <input type="checkbox"/> API 650 <input type="checkbox"/> ASNT CP-189 <input type="checkbox"/> AWS B3.1 <input type="checkbox"/> AWS B3.3 <input type="checkbox"/> AWS B1.8 <input type="checkbox"/> AWS D1.1 <input type="checkbox"/> API 5L <input type="checkbox"/> SARP-1142			
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DOCUMENT REVIEW			
Date:	09/10/2022	Ref: DRR-22-024	Page: 4
Bi #	Various Bi's	Project	All Saudi Aramco Projects
Document Ref.:	N/A	Procedure No.:	APN-PT-SA-001, Rev.00
Procedure Title:	LIQUID PENETRANT EXAMINATION PROCEDURE		
Prime Contractor:	APN Inspection International Co.		
Review Status:	<input type="checkbox"/> TECHNICALLY ACCEPTED <input type="checkbox"/> REVISION REQUIRED <input type="checkbox"/> REJECTED		
<input type="checkbox"/> APPROVED WITH COMMENTS <input checked="" type="checkbox"/> APPROVED			
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DOCUMENT REVIEW			
Date:	09/10/2022	Ref: DRR-22-024	Page: 1
Bi #	Various Bi's	Project	All Saudi Aramco Projects
Document Ref.:	N/A	Procedure No.:	APN-GP-SA-001, Rev.10
Procedure Title:	Qualification and Certification Procedure of NDE Personnel		
Prime Contractor:	APN Inspection International Co.		
Review Status:	<input type="checkbox"/> TECHNICALLY ACCEPTED <input type="checkbox"/> REVISION REQUIRED <input type="checkbox"/> REJECTED		
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Reviewer: Muhammad Al Madani	Signature:		
ASNT NDT Level: III-0829			

* Major Overseas Experiences

No	Country	Client	Project	Contractor	Work
1	Iran	Petropars Limited	South Pars Gas Field Development Phase#6,7,8	JV. Of TIJD	NDT & PWHT
2	Iran	Petropars Limited	South Pars Gas Field Development Phase#9,10	JV. Of OIEC & GS E&C	NDT
3	Oman	ORPIC	Sohar Aromatics Project	GS E&C	NDT
4	Saudi	Marafiq	Marafiq Desalination Plant Project	Ssangyong E&C	NDT & PWHT
5	Qatar	Qatar Fertilizer Company	Qafco-5 Project Pkg.#2	Hyundai E&C	NDT
6	Saudi	Kayan	Kayan Amine Project	Winteco	NDT
7	Saudi	National Industrial GASES Company	Gas Jubail Phase-VIII Project	Samsung Eng.	NDT
8	UAE	TAKREER	Ruwais Refinery Expansion Project Pkg.#2	GS E&C	NDT & PWHT
9	UAE	TAKREER	Ruwais Refinery Expansion Project Pkg.#3	Samsung Eng.	NDT
10	Malaysia	Petronas	PCSB Sabah Oil Gas Terminal Project	Samsung Eng.	NDT & PWHT
11	Saudi	Saudi Electric Company	Rabigh Power Plant No.2 Project	Doosan Heavey	NDT & PWHT
12	Iran	Petropars Limited	South Pars Gas Field Development Phase#12	Daelim	NDT & PWHT
13	Saudi	SWCC	Yanbu II Power & Water Project Pkg.#1	Hanwha E&C	NDT
14	Saudi	SWCC	Yanbu II Power & Water Project Pkg.#3	Hanwha E&C	NDT & PWHT
15	Saudi	Poly silicon Technology Company	Jubail Polysilicon Project	Hyundai Eng.	NDT & PWHT
16	Saudi	Saudi Electric Company	Jeddah South Thermal Power Plant Project Stage#1	Hyundai Heavey	NDT
17	Algeria	SONELGAZ SPE.	Biskra SCPP Project	Hanwha E&C	NDT & PWHT
18	Saudi	SWCC	Yanbu Power & Desalination Plant Phase III Project	Samsung Eng.	NDT & PWHT

* Major Overseas Experiences

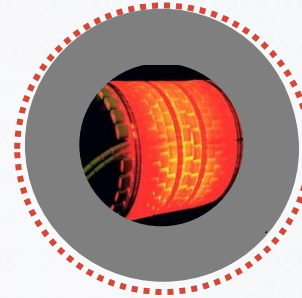
No	Country	Client	Project	Contractor	Work
19	Algeria	SONELGAZ SPE	Ain Arnat 1,200MW CCPP Project	Hyundai Eng.	NDT & PWHT
20	Saudi	Saudi Electric Company	Rabigh 2 Independent Power Project	Samsung C&T	NDT & PWHT
21	Egypt	Egypt Refinery Company	ERC Refinery Project	GS E&C	NDT & PWHT
22	Saudi	Ma'aden	Umm Wual Phosphoric Acid Plant Project	Hanwha E&C	NDT
23	Iraq	State Company for Oil Projects	Karbala Refinery Project Pkg. 2 & 5	JV of HDGSK	NDT
24	Iraq	State Company for Oil Projects	Karbala Refinery Project - Tank	S-Tank Eng.	NDT
25	Iraq	South Oil Company	Zubair North New Degassing Station Project	Samsung Eng.	NDT
26	Saudi	SEC	Shuqaiq Steam Power Plant Project - Stage1	Hyundai Heavey	NDT & PWHT
27	Saudi	SWCC	Yanbu Power & Desalination Plant Phase III Project	SEPCOIII	NDT & PWHT
28	Saudi	SWCC	Fadhili CHP Plant Project	Doosan Heavey	NDT
29	Oman	Oman Gas Company	Salalah LPG Extraction Project	Petrofac	NDT
30	Oman	Salalah Methanol Company	Salalah Ammonia Project	S-Tank Eng.	NDT
31	Oman	Duqm Refinery	DUQM Refinery Project - EPC 2 Tank Project	S-Tank Eng.	NDT
32	Oman	Duqm Refinery	DUQM Refinery Project - EPC 2 Tank Project	INCO Group	NDT
33	Mozambique	TOTAL	Mozambique LNG Project (Area 1)	Daewoo E&C	NDT & PWHT
34	Dominican Rep	Energia Natural Dominicana Enadom	Andres LNG Terminal Expansion Project	POSCO E&C	NDT
35	Qatar	Qatargas	Qatar North Field Expansion EPC-2 Project	Samsung C&T	NDT

* Major Equipment



Conventional & Advanced NDT

Equipment	Model / Type	
Gamma-Ray Projector	880 Delta, Dual 120	80 sets
X-Ray Projector	200~300 Kvp 5mA	20 sets
Computed Radiography	Dynamix HR-5	4 sets
Digital Radiography		1 sets
Close Proximity RT	SAFERAD	4 sets
Phased Array UT	MX-2, TOPAZ, GEKKO	15 sets
Manual UT	EPOCH II	54 sets
Corrosion Mapping Scanner		2 sets
Replica		4 sets
Magnetic Flux Leakage	MFE Edge	4 sets
Instrument Indentation Test	AIS 3000HD	2 sets



Heat Treatment

Description	Model / Type	
Heat Treatment Sets	60 KVA, 6 Channels, 12P	80 sets
Hardness Tester	EQUOTIP, Brinell	15 sets
Ferrite Scope	Dynamix HR-5	8 sets
PMI	Niton XL II	12 sets



Contact

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