

## SAFIA PROJECT REFERENCE LIST

S.No	Application/ Location	Qty	Customer	Summary	Completion Date
1	Dewatering- Jizan Refinery	2	Saudi Aramco/Petrofac	Dewatering systems for a total of 2 Refined Products tanks C3/C4/LPG/OFF SPEC LPG	Ongoing
2	Density Measurement- Qatif	2	Saudi Aramco	Supply, installation and commissioning of a radiation-based level gauge also capable of measuring liquid density	Ongoing
3	Seawater- Yanbu	5	SABIC- SAFCO	Supply, installation and commissioning of 5 clamp-on ultrasonic flow meters for seawater intake lines for pipe sizes varying from – DN700 to DN1800	Ongoing
4	Dewatering- Yanbu Refinery	16	Saudi Aramco	Dewatering systems for a total of 16 Crude Oil Tanks	2020
5	Water Injection- Hawiyah	4	Saudi Aramco	Supply, installation and commissioning of 4 clamp-on ultrasonic flow meters for high pressure water injection application	2020
6	Smart Dewatering - Juyamah Terminal	2	Saudi Aramco	Supply and installation of two submersible pressure transmitters to provide water/oil interface level determination within a storage tank as part of the SMART dewatering system, an enhancement of the standard dewatering system	2020
7	Level Measurement - Various Locations	23	Saudi Aramco	Supply of 23 storage tank level gauging systems	2020
8	Dewatering- Riyadh Refinery	49	Saudi Aramco/ M.R.K	Dewatering systems for a total of 49 Crude Oil and Refined Products tanks including Jet Fuel, Kerosene, Premium Gasoline, Light Naphtha, Platformate, Kerosene	2019
9	Dewatering - Yanbu South Terminal	10	Saudi Aramco/ Belleli Energy	Dewatering systems for a total of 10 Crude Oil Tanks	2019
10	Leak sDetection (Crude oil)-Abqaiq	2	Saudi cements/Saudi Electricity/Gas Arabian	Supply, installation and commissioning of clamp-on ultrasonic flow meters at either end of an 8-inch pipe line (crude oil) for leak detection purposes	2019

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11	Leak Detection (Sales gas & crude oil)-Jubail	4	Saudi Aramco/Saudi Electricity/Gas Arabian	Supply, installation and commissioning of clamp-on ultrasonic flow meters at either end of two 24-inch pipe lines (one crude oil, one sales gas) for leak detection purposes	2019
12	Smart Dewatering - Riyadh Refinery	2	Saudi Aramco	Supply and installation of two submersible pressure transmitters to provide water/oil interface level determination within a storage tank as part of the SMART dewatering system, an enhancement of the standard dewatering system	2019
13	Level Measurement - Various Locations	53	Saudi Aramco	Supply of 53 storage tank level gauging systems	2019
14	Water Distribution- Blending and Pumping Station, Eastern province	43	SWCC	Supply, installation and commissioning of 43 clamp-on ultrasonic flow meters for water applications, replacing existing differential pressure and electromagnetic meters without need for system shut-down.	2018
15	Tank Gauging System- Riyadh Refinery	41	Saudi Aramco	Supply, installation and commissioning of 41 guided wave radar level gauging systems for a range of storage tanks at Riyadh Refinery. Gauging systems were supplemented by pressure and temperature transmitters	2018
16	Seawater- Yanbu	2	Marafiq/Hanwa	Supply, installation and commissioning of 2 clamp-on ultrasonic flow meters for large diameter seawater intake lines - DN1500	2017
17	Gas Injection- Shyabah wells	5	Saudi Aramco	Supply, installation and commissioning of 5 clamp-on ultrasonic flow meters for high pressure gas injection application	2017
18	Seawater- Yanbu	3	Marafiq/Archirdon	Supply, installation and commissioning of 3 clamp-on ultrasonic flow meters for very large diameter seawater intake lines - DN2700 to DN3200	2016

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19	Air Measurement- Sadara, Jubail	4	Sadara Chemical Company	Supply, installation and commissioning of 4 clamp-on ultrasonic flow meters for low pressure water injection application on an FRP pipe line	2016
20	Dewatering- Ras Tanura Refinery	10	Saudi Aramco	Dewatering systems for a total of 10 Crude Oil Tanks	2015
21	Water Distribution- Madina	5	Ministry of water and electricity	Supply, installation and commissioning of 5 clamp-on ultrasonic flow meters for large diameter water pipe ranging from DN900 up to DN1600	2015
22	Water Distribution- Makkah	5	National water company	Supply, installation and commissioning of 5 clamp-on ultrasonic flow meters for large diameter water pipe ranging from DN1100 up to DN2000	2015
23	Multi-Interface Measurement- Al-Ahsa (Diesel/kerosene/gasoline)	1	Saudi Aramco	Supply, installation and commissioning of a hydrocarbon (diesel/kerosene/gasoline) interface detection system using a clamp-on ultrasonic meter for determining speed of sound	2015
24	Multi-Interface Measurement- Abqaiq(Diesel/kerosene/gasoline)	1	Saudi Aramco	Supply, installation and commissioning of a hydrocarbon (diesel/kerosene/gasoline) interface detection system using a clamp-on ultrasonic meter for determining speed of sound	2015
25	Multi-Interface Measurement- Riyadh & Khurais(Diesel/kerosene/gasoline)	2	Saudi Aramco	Supply, installation and commissioning of two hydrocarbon (diesel/kerosene/gasoline) interface detection systems using a clamp-on ultrasonic meter for determining speed of sound	2015

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26	Multi-Interface Measurement- Qatif& Dhahran (Diesel/kerosene/gasoline)	2	Saudi Aramco	Supply, installation and commissioning of two hydrocarbon (diesel/kerosene/gasoline) interface detection systems using a clamp-on ultrasonic meter for determining speed of sound	2015
27	Vacuum Heater Flow Measurement - Riyadh Refinery	24	Saudi Aramco	Supply, installation and commissioning of 24 clamp-on ultrasonic flow meters for high temperature (350° to 400°C) gas flow applications	2014
28	Multi-Interface Measurement- Al-Ahsa (Diesel/kerosene/gasoline)	1	Saudi Aramco	Supply, installation and commissioning of a hydrocarbon (diesel/kerosene/gasoline) interface detection system using a clamp-on ultrasonic meter for determining speed of sound	2014
29	Leak Detection (Sales gas)- Durma	2	Saudi Aramco/Saudi Electricity/Gas Arabian	Supply, installation and commissioning of clamp-on ultrasonic flow meters at either end of a 40-inch pipe line (sales gas) for leak detection purposes	2014
30	Leak Detection (Sales gas)- Qurayah	2	Saudi Aramco/Saudi Electricity/Gas Arabian	Supply, installation and commissioning of clamp-on ultrasonic flow meters at either end of a 40-inch pipe line (sales gas) for leak detection purposes	2014
31	Interface Measurement- Dhahran (Diesel/Kerosene)	1	Saudi Aramco	Supply, installation and commissioning of a hydrocarbon (diesel/kerosene) interface detection system using a clamp-on ultrasonic meter for determining speed of sound	2013
32	Crude Oil flow measurement- Abqaiq	4	Saudi Aramco	Supply, installation and commissioning of 4 clamp-on ultrasonic flow meters for measurement of crude oil in pipe sizes from 30-inch to 42-inch	2012