

# Integrated Training – 15 years of successful training

One of the leading private vocational training providers in Saudi Arabia, ITC represents the parent company's eagerness to positively support Saudisation by qualifying and developing the local workforce

**I**NTEGRATED Training Company (ITC), was launched in 2001 with clear and concise goals that will assist in qualifying and developing the Saudi Arabia's nationals so they can play a vital role in various industries.

Offering hundreds of training courses, it has helped thousands of local trainees to graduate, who are today happily and gainfully employed, circulating their earnings into the local economy.

Part of the Abdullah I Al Subaei and Sons Group that was founded in 1933 and listed as one of the biggest 100 companies in Saudi Arabia, ITC represents the parent company's eagerness to support and participate in the national approach to qualifying and developing workforce.

The continuous successes ITC achieved so far has created a great deal of enthusiasm and eagerness to grow further and serve wider range of satisfied customers, says the company.

Today, after 15 years of successful training programmes with key-industry leaders in the kingdom such as Saudi Aramco, Sabic, Sadara, Saudi Electricity Company (SEC), Ministry of Defence (MOD) and many others, ITC has a wide basket of internationally accredited courses supported by hundreds of class "A" instructors to offer advanced and up-to-date training solutions covering latest technologies. This rich repertoire of courses can be summarised as per the following:

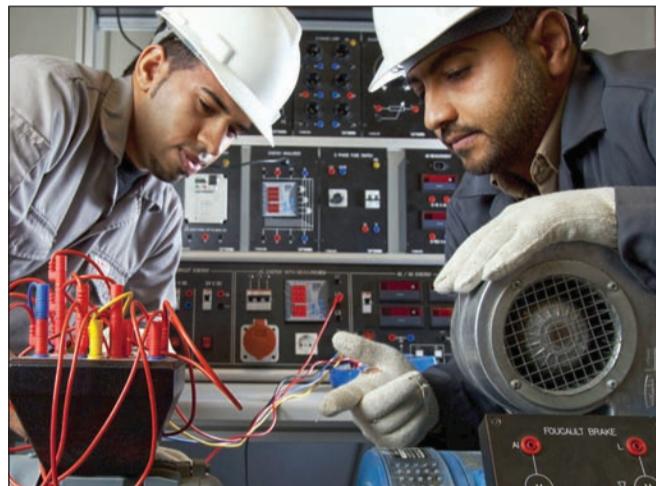
I) ITC Technical training categories:

- **American Petroleum Institute's (API) preparatory programmes – 17 courses:** The top five are – API 510 pressure vessel inspector certification preparatory; API 570 piping inspector certification preparatory; API 571 supplemental inspection certification preparatory; API 580-581 risk based inspection – RBI; and API 653 aboveground tank inspector certification preparatory;

- **American Society of Mechanical Engineers (ASME) programmes – 11 courses:** The top five are – ASME B31.3 process piping; ASME codes awareness – Sections I, II, V, VIII, and IX; ASME level 1 plant inspector; ASME Sec IX, welding and brazing; and ASME Sec VIII, Div 1 pressure vessels – design engineers;

- **Corrosion engineering – (Nace) representing Nace exclusively in Saudi Arabia and Bahrain – 19 courses:** The top five are – Coating Inspector Programme (CIP) – Level I and Level II; basic corrosion Control; CP 1 – cathodic protection tester; CP 2 – cathodic protection technician;

- **Electrical and electronics – over 60 courses:** The top eight are – electrical maintenance planning and scheduling; electrical safety – certification; electrical motor maintenance and troubleshooting; electronic devices and telecommunications equipment



Integrated Training Company ... the training maestro

maintenance; generator and electrical systems; high voltage electrical safety; transformer operation, maintenance and testing; UPS design, operation and troubleshooting;

- **Health, Safety and Environment – over 120 courses:** The top list is – 10-hour general industry – certification; 30-hour construction industrial – certification and 30-hour general industry – certification; scaffold inspector – (STI certification); certified IOSH managing or/and working safely; confined space entry standard overview; environmental safety management; firefighting sprinkler system design and testing; first aid and CPR; hazard analysis and critical control points (HACCP); HAZOP advanced; HAZW-Power; Nebosh International general certificate in occupational health and safety – examinations and certification; occupational safety and health administration; process hazard analysis – (PHA certification); radiation safety; safety inspector qualification; scaffold competent person – ( STI certification); SHEM- for affiliate engineers;

- **Industrial programmes and utilities engineering – over 150 courses:** The top list is – Advanced Maintenance Planning, scheduling, auditing and benchmarking; Advanced Valve Technology (design, selection, installation, applications, inspection, maintenance and troubleshooting); Associate Value Specialist (AVS) certification; Centrifugal Gas Compressor (operation, control, startup, shutdown, maintenance and troubleshooting); compressor and steam turbine; control valves; corrosion and materials; Diesel Engine (construction, operation and maintenance); effective maintenance management; electrical and mechanical maintenance planning and scheduling; fundamentals of engineer-

ing exam prep course; gas turbine operation and maintenance and protection; HVAC System (humidity, ventilation and air conditioning); IADC Wellcap Well Control Work over/Completion – well servicing supervisory level; industrial water treatment; maintenance planning and scheduling; mechanical seals; metallurgy for the non-metallurgist; pressure safety relief valves – operation, maintenance and inspection; programmable logic control; pumps and compressors operations, trouble shooting and maintenance; selection of materials for refineries and petrochemical plants; steam trap construction, installation and maintenance; steam turbine technology and maintenance – advance technology; stock control and materials management; value engineering; vibration analysis and mechanical inspection; vibration monitoring, analysis and balancing.

- **NDT, inspection, nondestructive testing, and AWS – over 35 Courses:**

The top list is – Basic NDT, Level III; CSWIP 3.1 welding inspector different levels; introduction to NDT; liquid penetrant testing Level II; Magnetic particle testing Level II; Preparatory course for American Welding Society – Certified Welding Inspector (AWS CWI) Examination; Preparatory course for certification scheme for welding inspection personnel (CSWIP) examination; radiographic testing – Level II; ultrasonic testing, different levels; visual testing – different Levels;

- **Services and construction – 20 courses:** The top five are – Pre-Aramco exam – scaffolding supervisor and inspector course; rigging and slinging; scaffolding erector, inspector and supervisor; forklift safety operations and scaffolding safety awareness.

II) ITC business and management training categories:

- **Banking – 13 courses:** Business and management – over 150 courses; finance and accounting – over 75 courses; human resources – over 50 courses; information technology – over 40 courses; procurement, logistics and transportation – over 40 courses; project management (mainly PMP/PMI certification) – 20 courses; quality and auditing – over 50 courses; sales and marketing – over 40 courses and soft skills – over 50 courses.

III) On the other hand, ITC, has gained its customers' trust and become Saudi Aramco's Contractor Workforce Qualification Assurance Programme (CWQAP) accredited centre for training and qualifying Saudi Aramco Contractors' technicians on many skills such as (machinist, electricians, instruments and safety).

IV) Another important training wing of ITC is to support the Saudi market through Long Training programmes that end with employment for young Saudi generation accredited by HRDF. These ITC programmes are full of excitement for the targeted Saudi youth resulting in high graduation percentage that have reached sometimes 80 per cent.

## AS-Schneider develops manifold for FPSO vessels

The monoflange with dual double block and bleed function is noteworthy for maximum operational reliability and minimum weight – properties that are critically important in floating systems for extraction of crude oil and natural gas

**I**NDUSTRIAL valve specialist AS-Schneider has developed a manifold specially for use on floating production storage and offloading (FPSO) vessels.

The monoflange with dual double block and bleed function is noteworthy for maximum operational reliability and minimum weight – properties that are critically important in floating systems for extraction of crude oil and natural gas.

AS-Schneider originally developed the manifold as a special solution for a renowned company from the energy sector. The company, which operated an FPSO vessel for offshore extraction of crude oil and natural gas, wanted to make its measuring equipment particularly reliable by using two double block and bleed valves in series.

Moreover, it wanted to keep the weight as low as possible. A combination of two separate valves was ruled out owing to the great inherent weight and resulting susceptibility to vibrations.

AS-Schneider's product designers therefore set to work to find a way of mounting six valves – and therefore a dual double block and bleed function – in one valve body.

For this purpose they optimised the arrangement of the valves and the design of the connecting flow paths. The result is a monoflange with six integral valves which weighs only slightly more than a normal standard flange.

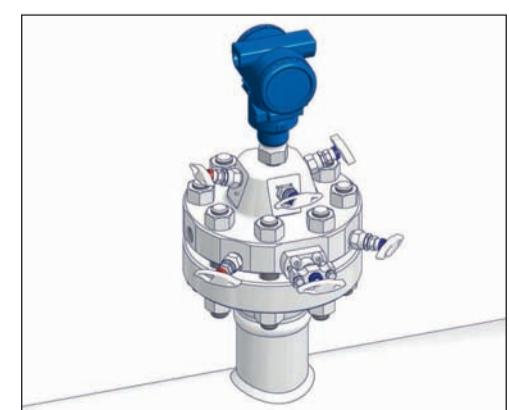
The hook-up is therefore insensitive to oscillations and vibrations. As only one valve body is required, the risk of leaks is also low.

It was therefore able to comply fully with the customer's requirements, namely maximum operational reliability and minimum weight for use at sea.

The family-run company, AS-Schneider, was founded in 1875 and with over 350 employees, is one of the leading manufacturers of Instrumentation Valves and Manifolds worldwide.

In the market segment for Large-Bore Diesel Engine Valves such as those used in marine propulsion and the generation of electricity, AS-Schneider is even the world market leader.

It has its own subsidiaries in Romania, Singapore, Dubai (UAE) and Houston (USA) and professional partners in more than 20 countries worldwide.



Maximum operational reliability and minimum weight