

ADROIT **ENGINEERING** SERVICES

COMPRESSED AIR & NITROGEN EXPERTS



**COMPANY
PROFILE**

The background of the slide features a large, circular inset on the left showing an industrial facility at night, illuminated by yellow lights. To the right of this is another circular inset showing industrial machinery, including large pipes and a glowing yellow-orange furnace. The text 'COMPANY PROFILE' is overlaid on a blue circular shape in the center.

About Company

ADROIT STAR GENERAL TRADING LLC: DUBAI

ADROIT ENGINEERING SERVICES WLL: QATAR

ADROIT STAR OIL FIELD EQUIPMENT TRADING LLC: ABU DHABI

ADROIT ENGINEERING HEAVY MACHINES REPAIRING LLC: ABU DHABI

AES an ISO, ICV and TAWTEEN Certified Company established in 2012 in Qatar and 2013 in UAE. Set up by the professionals who have worked in the industry and in the region for more than two decades. Knowledge of the market, customer commitment and suppliers' confidence in AES management made AES grow from strength to strength. In a short span of time AES has very well established in the region.

AES team having developed expertise in servicing industrial segments like power plants, ship-yards, steel and aluminium smelters, oil and gas and general manufacturing industries has become a solution provider in the industry. AES Team has successfully commissioned compressed air systems, On site Nitrogen gas generators, Gas Scrubbers, Centrifugal Compressors, Automatic SS and PET strapping systems, FTP Filter bags etc.



HITACHI

OIL-FLOODED SCREW *NEXT II* series 11-160kW

OSP series



High-performance

The rotor profile designed by Hitachi provide high performance and high efficiency.

All-in-one structure

The integral structure of the oil separator and the airend reduces the pressure loss and minimizes the energy loss. (22/37kW Vplus)

Directly-coupled design

No transmission loss by the directly-coupled design of the high-efficient DCBL motor and the airend. (22-75kW Vplus)



22/37kW Vplus Airend



55/75kW Vplus Airend

**Oil Lubricated Rotary Screw Air Compressors: 11 to 160 kW,
Flow 1.63 to 29.5 m³/min (Pressure 7.5 to 10 bar(g))**

HITACHI OIL-FREE SCREW COMPRESSOR

DSP series



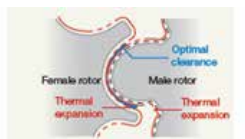
Stainless Steel Rotor

The rotor material, machined by high-precision grinding, is a special stainless steel that excels in corrosion resistance and durability. In addition, to minimize internal leakage, the rotor is mirror finished to ensure proper clearance, taking thermal expansion during operation into consideration.

Premium Air Quality

True Oil-Free Air at Class 0 Level

Test and analysis of condensation of oil in the discharge air of Hitachi Oil-free Screw Compressor (DSP) are Implemented by third party (TUV) based on ISO8573-1 standard. By the test result, oil contained in the discharge air of Hitachi DSP is proved and certified as the highest level of quality air "Class 0".



High Performance Coating

The rotor is coated with a solid lubricant to further reduce gaps between rotors and improve performance. This solid lubricant coating has sufficient performance even in harsh environments of over 300°C. Hitachi's unique technology is applied to this coating.

**Oil Free Rotary Screw Air Compressors: 22 to 240 kW,
Flow 3.7 to 40.5 m³/min (Pressure 7.5 to 10 bar(g))**



Our advanced air end technology combines decades of expertise in design and manufacturing with the latest innovations for maximum efficiency and reliability



Oil Free Rotary Screw Air Compressors:
22 to 240 kW, Flow 3.7 to 40 m³/min
(Pressure 5.5 to 10 bar(g))



Oil Lubricated Rotary Screw Compressor: 4 to 250 KW, Flow 0.58 to 53 m³/min, Pressure 5.5 to 12.6 bar(g)
Package / Air End warranty 1 to 10 years



SULLAIR PORTABLE AIR POWER EQUIPMENT (Oil Lubricated & Oil Free)
Pressure 10.3 barg, Flow: 185, 425, 750, 650 & 825cfm; Oil Free 1500 cfm (10 bar)

PORTABLE COMPRESSOR 850 CFM



FS-Elliott's Polaris® industrial air compressor series combines over 50 years of operational and design experience in an extremely reliable, energy-efficient, cost-effective package. They suit a broad range of applications



Polaris+ centrifugal compressors feature a simple, effective design that outperforms other compressors in delivering trouble-free operation and the lowest cost of ownership. Polaris+ owners enjoy:

- Certified ISO 8573-1 Class 0 oil-free air
- Low maintenance,
- Low-to-no vibration
- Superior control
- Excellent reliability

Flow Range: 60 m³/min to 340 m³/min (and more)
Power: 335 kw to 2000 kw)



More than 165 years ago, the FS-Curtis has established itself through two key commitments: dedication to building quality products and a dedication to responsive customer service. Compact in design, robust in power, the Nx's smooth, quiet operation is ideal for a wide variety of applications.



Flow Range: 0.60 m³/min to 47 m³/min
Power: 4 kw to 300 kw



N₂ | NITROSource PSA NITROGEN GAS GENERATOR

Purity 3% / 2% / 1% / 0.5% / 0.1% / 500 ppm /
250ppm / 100ppm / 50ppm / 10ppm / 5ppm (up
to 99.999%)
Flow: 7 m³/hr to 197.3 m³/min (Single banking)



Energy efficient
Lowest Compressed air and Energy Consumption.

Lowest Cost of Maintenance
Long maintenance interval.

Reliable
Backed with 5 years of warranty.

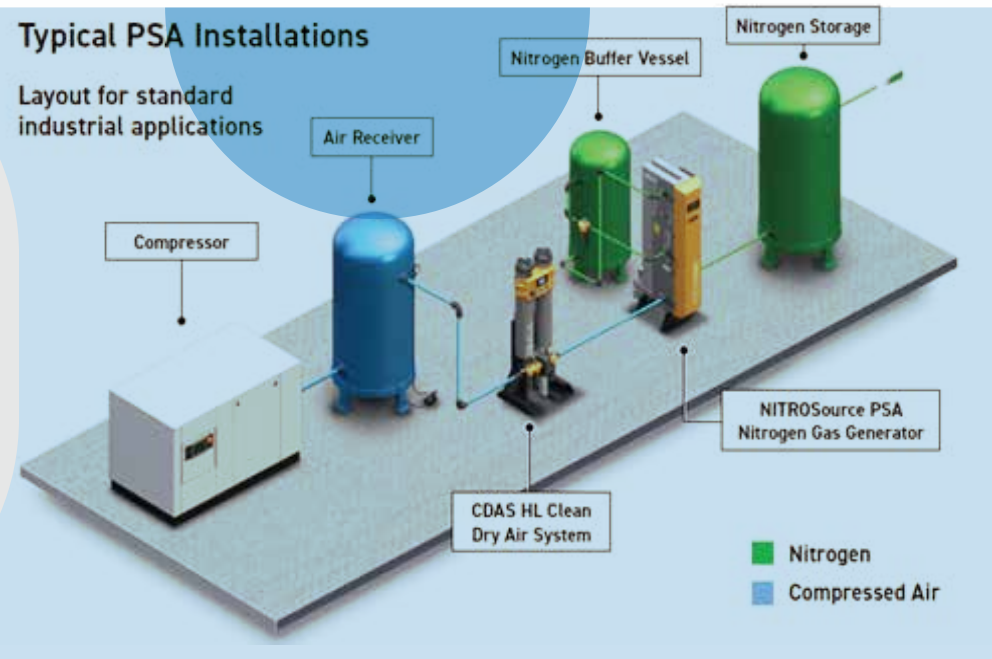
Industry Compliance
Food and Pharmaceutical safe.

Good Business case
Payback within 2 years.

Quality Control
Guaranteed nitrogen quality.

Remote Monitoring
For connecting to your data management system.

Typical PSA Installations



Parker Dryers



Refrigeration Dryers

Flow Range: 0.28 m³/min to 170 m³/min (Air and water cooled).
Dew Point min +3 Deg C



Adsorption Desiccant Dryers

Flow Range: 0.3 m³/min to 122 m³/min
Dew Point min -20 Deg C, -40 Deg C and -70 Deg C
ISO 8573 Class 1,2 or 3

HELMKE MOTORS



HELMKE develop and produce needs- based solutions for projects of all sizes, be it a replacement drive from our 24/7 emergency service or a complex 25 MW motor for heavy industry.

Products and services

- High Voltage Induction & Slip ring Motors 150 kW to 25 MW; 2.3 kV to 13.8 kV
- Low voltage Induction motor 6 W to 1.6 MW; 230 V to 690 V
- Direct Current motors
- Explosion Proof motors (Ex db, Ex eb, Ex pxb, Ex ec (Ex nA), Ex
- Customized one-to-one replacement old and obsolete motors
- Special Motor drives.



Pneumofore is a leading supplier of centralized vacuum and compressed air and gas systems for industrial applications worldwide. The company manufactures machines based on **rotary vane technology** to guarantee long-lasting operation, high performance, and the lowest Life Cycle Cost on the market.

UV SERIES ROTARY VANE VACUUM PUMPS



Single stage 250 to 7.160 m³/h [148 to 4.211 cfm]
with the residual pressure of 0.5 to 450 mbar(a) [29,90 to 16,62 in Hg V].



Improving Manufacturing Environments, The World Over

For nearly 90 years, Donaldson® has been the leading worldwide provider of industrial in-plant air filtration systems and replacement parts that help eliminate dust, fumes and mist from manufacturing operations.

Downflo® Oval 1

DFO is a one-of-a-kind series of cartridge dust collectors with unique oval-shaped filter technology, proprietary filter media and a proprietary pulse cleaning process that provides more airflow capacity than same-sized cartridge collectors.



Fumes Collectors.

Capturing fumes is serious business that requires expertly engineered solutions. Since most fume particulates are respirable and often comprised of submicron-sized particles, it's essential to select a fume collector that can effectively and efficiently clear the air of potentially harmful contaminants. From collectors to filters, there's no better source for fume filtration than Donaldson



Easy - Trunk
Fume Collection



Trunk 2000

ANDREW
INDIA

Arvind group company

Supply of Filter bags for various applications like FTP, dust collection etc

Andrew India manufactures & markets the full range of filter bags with materials such as PE, PP, Acrylic, Aramid, PPS, PTFE, P84 and Woven Glass, etc. with State-of-the-art ePTFE Membrane Lamination facilities

Material:

- Fiberlox
- Duotech
- Pleatlox
- Checkstatic
- Circron
- Ultratech
- Glasstech
- Microfelt



BAND-IT®

Band-IT strapping systems (Tools and straps)

- Strapping tools
- SS straps
- Buckles



Ear-Lokt Buckle



Band-IT cable ties



Cable identification



SS cable markers
(Easy Read)



Metal Straps (Color)



Strapping Tool and SS
straps (Rolls)

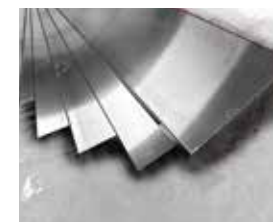


Engraving Tool



Aluminum Products for Pipe & Duct Cladding Applications

- Sheets AA 1100, 3003 (Plain and Stucco Checkered) 0.5 mm to 20 mm
- Flat Rolled products, Wire Rods, Billets in various sizes.
- Alloy 1350 Special Electrical Alloy.



TITAN

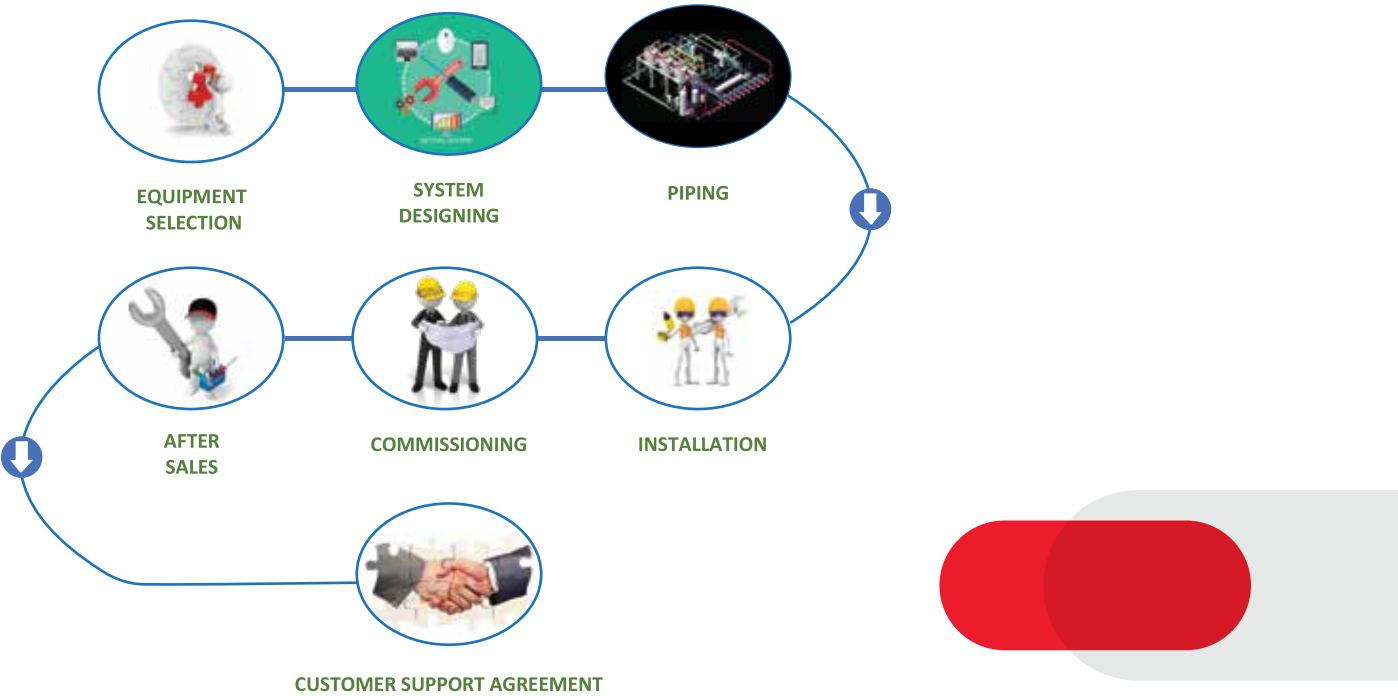
TITAN is a renowned manufacturer for top quality strapping tools, heads and complete automated machines for steel and PET straps.



Anode and Cathode Bars
Sizes from 160 mm to 180 mm dia.



EQUIPMENT SERVICES , SPARES AND ANNUAL MAINTENANCE CONTRACTS (AMC)



COMPRESSOR SPARES / CONSUMABLES AND SERVICE.

AES undertakes AMC (Annual Maintenance Contract) for Compressors and Air treatment equipment with supply of OEM spares and consumables like Filter elements for Air and Oil, Lubrication oil for compressors.



1. Moisture Separators
2. Compressed air filter elements
3. Condensate Drains (Timer & float Type)
4. Compressor Lubricant Oil
5. Consumables spares for
 - Compressors
 - Dryers
 - Chillers
 - Filter Elements

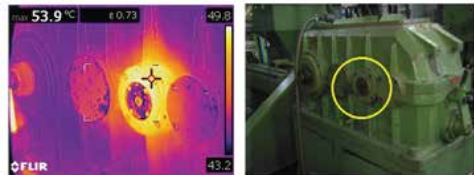
ON SITE DEW POINT MEASUREMENT SERVICES

AES provides expert advice on the change in design, or equipment or addition of new equipment by measuring the DEW point of compressed air. This ensures that the customer gets best quality of air for their process.



THERMOGRAPHY INSPECTION SERVICES

AES is also involved in providing proactive solutions to minimize breakdown of critical equipment of our Clients Thermographic inspection, also known as infrared inspection.



AES CAPABILITIES

TURNKEY PROJECT-CENTRIFUGAL & SCREW COMPRESSORS, DUST COLLECTORS AND NITROGEN GENERATORS

AES undertakes turnkey projects that includes design, supply, installation & commissioning of the Equipments

AES also specializes in Controls, instrumentation, SCADA and integration of equipments



Mechanical Skids and Piping

AES designs and supplied Skid mounted Instrument Air packages with interconnecting piping, electrical, controls etc.



TRUSTED BY



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AES an ISO Certified Company Set up by the professionals
who have worked in the industry and in the region for more than two decades.