

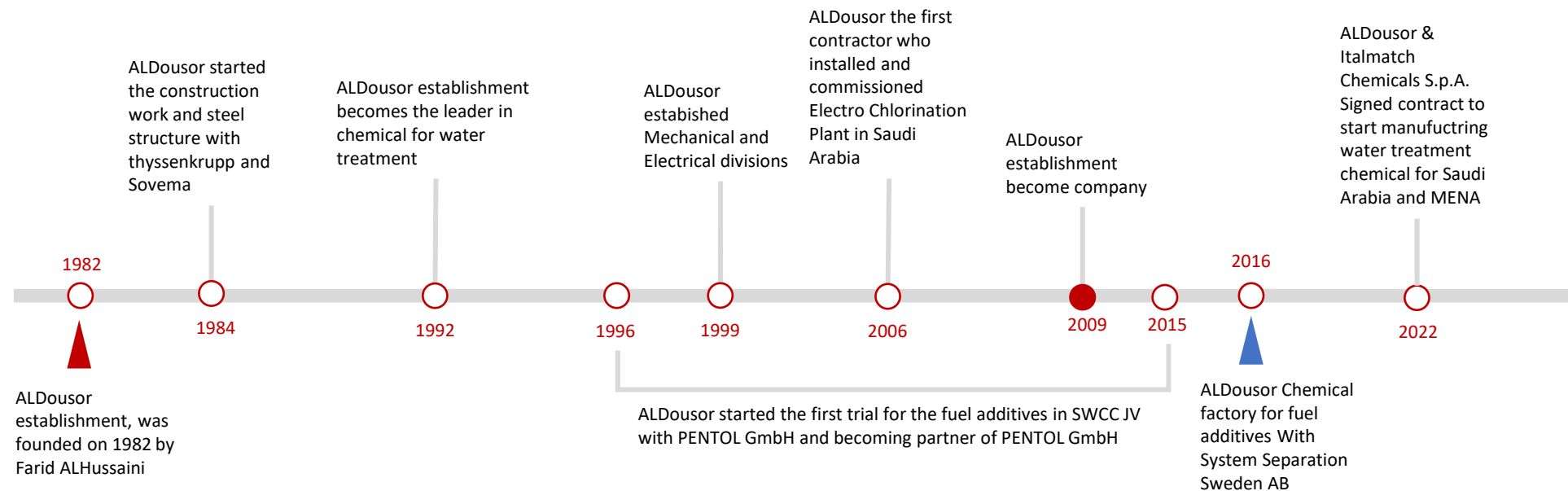
**ALDousor
International
Company
Limited**



About ALDousor

ALDousor International company, is an engineering company focused on project delivery, engineering and technical services, providing efficient, integrated solutions across the asset life cycle in multiple sectors.

1982 – onward :



Our Mission

To go beyond client satisfaction by providing high-quality products, services, solutions and the best values. Continuously, striving for the well-being of the society and dedicatedly serving the nation at large.

Our Vision

Playing a leading as well as trend setting role in our specialized areas including Power & Energy, Electrical & Mechanical, Instrumentation & Trading, Chemical & Water, Specialty Products & Supplies, Technology & innovation. Also maintaining our name, goodwill, rich values, best practice, trust and mutual respect for all.

Our Clients

سابك
SABIC

ROMCO



الشركة السعودية للكهرباء
Saudi Electricity company

مرافيق
MARAFIQ

NCC

شركة المقاولات الوطنية المحدودة
National Contracting Co. Ltd.



شركة المياه الوطنية
National Water Company of Saudi Arabia

HYUNDAI
ENGINEERING & CONSTRUCTION



لوبريف
luberef



جومل
JOMEL

DOOSAN

MEPCO
Middle East Paper Co

صليب ستيل
SOLB STEEL

NPCC
National
Power
Construction
Corporation
PAKISTAN

أرامكو السعودية
Saudi Aramco



SAR
الخطوط الحديدية السعودية
SAUDI ARABIA RAILWAYS



NOMAC

حديد الراجحي
RAJHI STEEL

صدارة
Sadara

ALDousor Partners

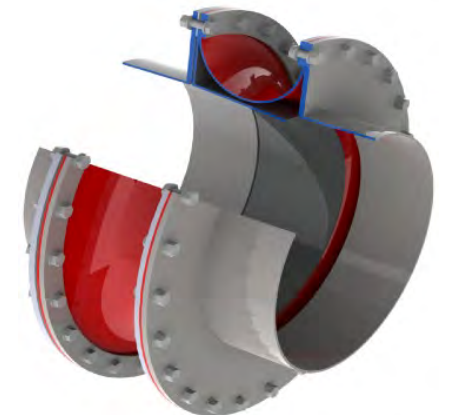




DEKOMTE de Temple Kompensator-Technik GmbH

DEKOMTE is an innovative family-owned company from Germany. Established and best known for their innovative solutions, quality and progressive approach to solving customer reliability concerns. With over 40 years of experience, material and production expertise combined with creative product development; we create long life products which gives sustainable plant maintenance, reduced environmental impact and life cycle costs. DEKOMTE expansion joints are used in every branch of the industry to compensate for thermal expansion in pipe systems. Typical applications include, but aren't limited to:

- Fossil-fuelled power stations (coal, oil, gas)
- Open and combined cycle power stations
- Nuclear power stations
- Waste and biomass incineration plants
- Steel works and heavy industry
- Refineries, chemical and processing industries



Leybold GmbH

Since our founding in 1850, Leybold has written its chapter in industrial history and, not least through the groundbreaking inventions of Wolfgang Gaede, founded the worldwide vacuum industry. From the first industrial applications in the production of light bulbs 100 years ago until today, we have reinvented ourselves again and again to adapt to the requirements of the global market. our products.

- Oil sealed vacuum pumps
- Dry compressing vacuum pumps
- Roots vacuum pumps
- High vacuum pumps
- Vacuum Systems
- Measurement & Control
- Leak Detection
- LEYBOLD (Oils , Greases and Lubricants)





Slade Inc.

Slade manufactures all of its own patented graphite yarns. The advantage is that each individual strand has its own unique core made of high tensile carbon fiber. The graphite yarns are protected by US & EU patents. They were developed to conduct heat like steel alloys, to transfer the heat away from the pump shaft and valve stem.

Our Products:

- Pump Packings
- Valve Packings
- Pyro-Tex Gaskets
- Soot Blower & Sealings
- Lantern Rings & Bushings
- Installation & Extraction





WEY VALVE AG

Wey products and solutions have been conquering the world ever since, and today stand for performance, reliability, quality and cost-effective solutions for knife gate and butterfly valves as well as water control gates.

Any application, anywhere in the world Whether in mining, the pulp & paper or the food & beverage industries. Whether in wastewater treatment, oil & gas or chemical processing. Wey is the trusted name in the most demanding industries, all over the world.

There's only one original Often copied, but never equaled – ever since Joseph Wey's invention and the launch of the Wey brand, Sistag has been setting standards worldwide. our products.

- Knife Gate Valves
- Butterfly Valves
- Check Valve
- Control Gates



The Smart Valve Company

At **SVC**, we understand that dependability is not an option when it comes to critical plant operations. Founded in 1977, SVC has led the flow control industry with smarter, more efficient valve designs and manufacturing techniques for more than 40 years. In 1988, SVC was challenged by the Korean Ministry of Commerce to develop control valves for the country's first nuclear power plants, a challenge which was completed successfully. SVC has provided vital flow control solutions to nuclear, petrochemical, gas, and other critical

infrastructures all over the world ever since, and we are now proud to introduce control valve series SV100 and SV200 to our customers for the first time. With flexible customization options and state-of-the-art user interface design, our new control valve lineup delivers high efficiency and performance, as well as practical convenience for on-site operators during installation and maintenance. Our products.

- Control Valves
- Safety Valves
- Pressure Reducing Valves And Pressure Relief Valves
- Strainers
- Traps





ZECK GmbH

ZECK is a leading global manufacturer of machines and accessories for the construction and servicing of overhead transmission lines, rail technologies, ropeways, antenna and underground cable construction. ZECK excels in creative engineering for special projects and unconventional solutions for special purpose machine construction. The family-owned company – in its 3rd generation already – has a staff of over 130 employees and is active in more than 90 countries. Our products.

- Overhead Transmission Lines
- Ropeway
- Rail Technology
- Underground Cable Construction
- Antenna Construction
- Tools and accessories





GlobeCore

GlobeCore GmbH is one of the world leaders in industrial manufacturing. Products of **GlobeCore** are used in production of bitumen emulsions, transformer oil regeneration and purification, fuel blending, biodiesel production and emulsification of virtually any materials. Our products.

- Oil Purification Machines
- Oil Drying And Heating Machines
- Transformer Vacuumizing & Drying Machines
- Instruments
- Equipment For Bitumen Emulsion & Modified Bitumen Production
- Bitumen Filtering, Pumping & Laboratory Systems
- Electromagnetic Mill For Mixing, Grinding & Wastewater Treatment
- Wind Turbine Service



Nirafon Oy

Nirafon Oy specializes in engineering, production and installation of acoustic cleaning systems and devices. Our special strength lies in an ability to engineer solutions for heat transfer surfaces of a wide temperature range. In fact, we are the only one on the market to provide solutions to applications where temperatures rise to 1500 °C / 2730 °F.

For over 30 years we have closely cooperated with research institutes and different industries. This cooperation is the basis of our product development and gives us a firm background in producing practical solutions. As a fruit of this cooperation, reliable Nirafon acoustic cleaners have successfully operated in hundreds of plants around the world for three decades, removing impurities and improving the processes' productivity. Applications:

- Superheaters
- Economizers
- Air Preheaters
- Filters And Fans
- Silos And Cyclones
- Flues



Transorfilter AB

Transorfilter Sweden design, manufacture and develop equipment for recovery, filtration and handling of SF6 gas etc. We have a number of standard products but often the products are customized based on customer request.

We specialize in equipment with a capacity of 1-20 m³/h. Our products are user-friendly and designed with carefully selected components to withstand tough working environments. With over 30 years of experience in gas handling equipment, we know what we are talking about.

In addition, our staff are certified for recycling of fluorinated greenhouse gases from high voltage switchgear in accordance with EU Regulation 2015/2066. Our Products.

Gas recovery

Manual / automatic gas recovery equipment, a complete gas recovery machine. The insulation gas is evacuated from a gas-filled object and stored in an external gas bottle.

Gas filling

Equipment for filling insulating gas in a controlled manner. The equipment is coupled between objects to be filled and a gas bottle.

Air evacuation

Air evacuation equipment for emptying objects of air before filling with insulating gas.





Evoqua Water Technologies

Evoqua Water Technologies is a leading provider of water and wastewater treatment solutions, offering a broad portfolio of products, services and expertise to support industrial, municipal and recreational customers. our products:

- Continuous Electrodeionization (CEDI)
- Screen Filters
- Membrane Systems





Hy-Pro Filtration

Together with a global distribution network our expert team of Hy-Pro technical field sales engineers are ready to implement proactive strategies to solve hydraulic & lube oil and diesel fuel problems. Experienced in lubrication, filtration and fluid power they carry the highest industry certifications including (CFPS and CLS). Our engineering staff is ready to support your application needs with expert product & industry knowledge to make condition-based recommendations for standard or customized contamination solutions. Rely on Hy-Pro's customer service team to put a personal touch on your rush requests and anything else that you might need including up to date order status, product availability and pricing quotations. We're not satisfied until we exceed your expectations.

Our Products.

- Filter Elements
- Fluid Conditioning Equipment
- Filter Assemblies
- Reservoir Accessories
- Test Kits & Condition Monitoring



FZSONICK S.A

The world's safest and ecofriendly battery. Made By SALT

No flammable materials.

Free of toxic material and 100% recyclable.

No gas emissions.

No fire/water flood reaction

Applications.

- Utilities
- Oil & Gas
- Railways
- Telecom
- industrial Energy Storage



Trafag AG

Trafag is one of the world's leading suppliers of high-quality sensors and monitoring devices for pressure, temperature and SF6 gas density. In addition to a wide range of standardized, configurable products, Trafag also develops tailored solutions for OEM customers. Trafag's pressure transmitters, pressure switches, temperature transmitters and thermostats are used in shipbuilding, hydraulics, the railway industry, large engines, zones at risk of explosions (EX), water treatment systems, test benches, and more. The SF6 gas density sensors and SF6 gas density monitors are used for high- and medium voltage switchgears.

Products

- Pressure transmitters
- Electronic pressure switches
- Mechanical pressure switches
- Pressure gauges
- Thermostats
- Temperature transmitters
- Temperature gauges
- Gas density monitors and gas density sensors
- Level sensors and switches

Industries

- Railways
- Hydraulics
- Shipbuilding
- Potentially hazardous areas
- Large engines
- Gas density
- Test and measurement
- Hydrogen

 IO-Link



THP30



THP700



E+E Elektronik Ges.m.b.H.

Development and manufacturing of sensors and transmitters for relative humidity, temperature, dew point, moisture in oil, CO₂, air velocity and mass flow.

Development and manufacturing of humidity calibration systems.

Accredited calibration laboratory for relative humidity, temperature, dew point, air velocity, mass flow, CO₂ and pressure.

Designated laboratory (MNI) maintaining the Austrian national etalons for relative humidity and air flow speed. our products:

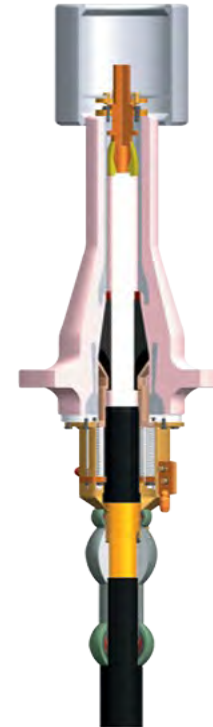
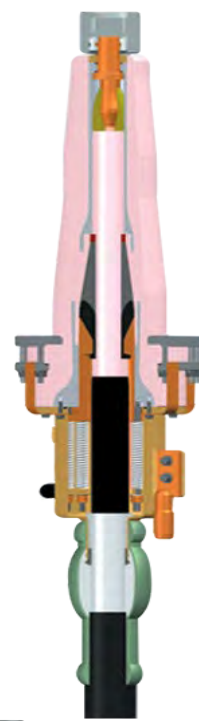
- Air Velocity
- CO₂ measurement devices
- Dew Point sensors / Transmitter
- Thermal mass flowmeters for compressed air
- Humidity sensors and transmitter
- Moisture in oil sensor
- Temperature sensors
- Pressure sensors



LS Cable & System

LS Cable & System, established in 1962, has been contributing to building power grids and communication networks first in Korea and then in countries all over the world by developing, producing and providing cables and related solutions used in daily life and throughout many industries. Furthermore, the company set the stage for industrial and economic development by capitalizing on our innovative technology to supply various special industrial cables and industrial materials. our products:

- Underground Cable
- Overhead lines conductor
- GIL
- Partial Discharge online monitoring
- Cable accessories and Termination
- Telecommunication





Telea Tecnovision Srl

Telea Tecnovision S.r.l is a rapidly growing company and one of the most dynamic Italian companies operating in the field of audio, video and active safety technologies, for use in the industrial sector and at the service of large infrastructural and advanced service companies.

Since April 2011 Tecnovision has acquired TELEA, a historic company on the national scene, and has organized his structure in three “business units” focused on the specific needs of customers in the different sectors:

High temperature cameras

Iron & Steel
Glass
Power
Cement

CCTV & Integrated Security Systems

Oil e Gas
Power e Utilities
Industrial
Infrastructure
Control of territory

Audio Communication

Oil e Gas
Industrial
Cruise ships



Fuel Oil Treatment in Different Stages

Stage – 1 Refineries

Stage – II Auxiliary / Utilities (Boilers, Heaters, Furnaces and Combustion Chambers)

Stage – III Mixing of different oils to avoid wastages

Refineries

Fluid Catalytic Cracking (FCC) Additive

ALDousor Chemical Production factory and Italmatch Chemicals S.p.A started manufacturing this unique product for better efficiency.

Antiqua 48 H is more concentrated (30-33 w/w % as Sb_2O_5) compared to benchmark products.

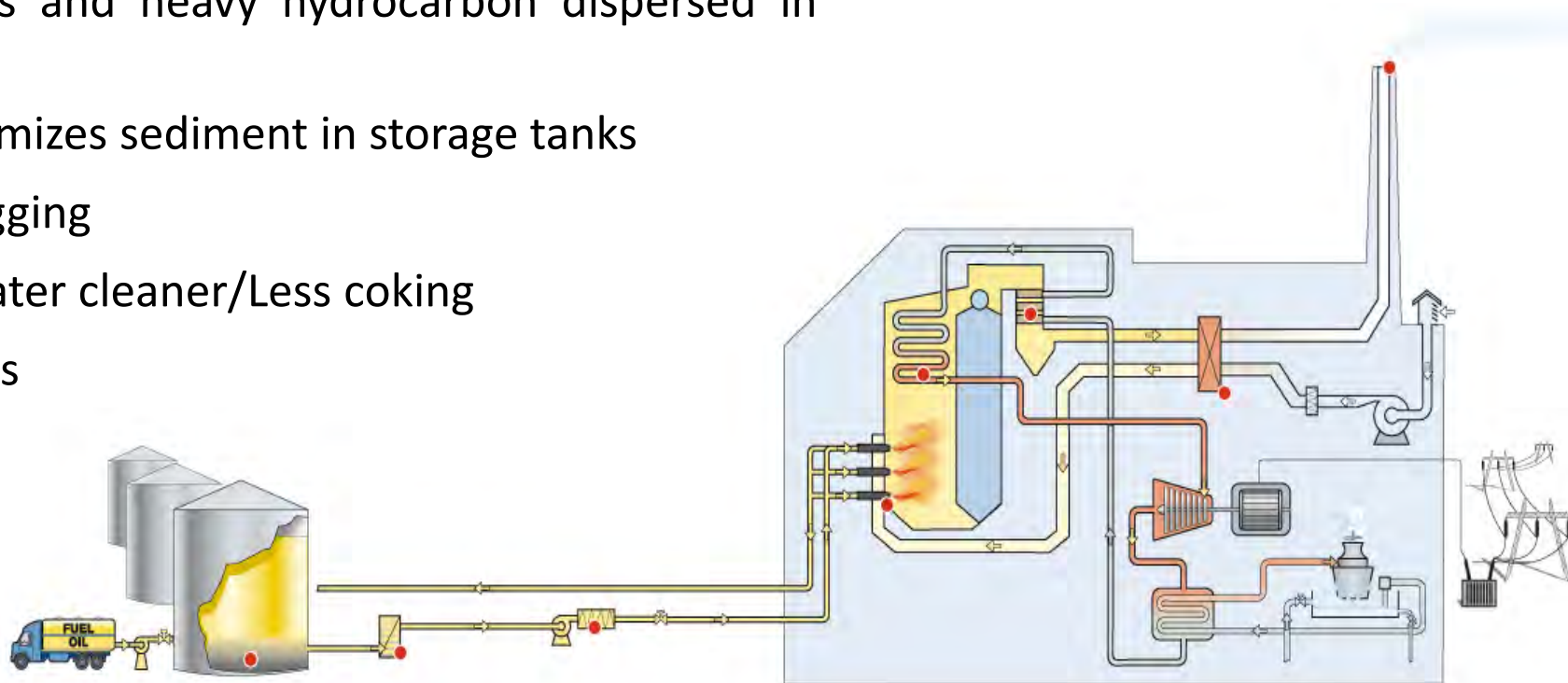
The manufacturing process optimization allows the product to be extremely stable and to improve the product efficiency as metal passivation due to fine particle size.

Features and Benefits of Antiqua 48 H

- I. Sub-Colloidal dispersion of Antimony Pentoxide in water 30-33 w/w %
- II. Designed to protect the FCCU catalyst from deposits and fouling
- III. Enhanced FCCU Efficiency and cost effectiveness to average particle size and advanced colloid chemistry
- IV. It can be easily metered by standard metering pumps being a water base dispersion, easy and safe to handle
- V. Increase in lighter distillate yield
- VI. Optimization of catalyst consumption
- VII. Increase in catalyst activity
- VIII. Lower H₂/C₁ ratio
- IX. Avoiding unexpected shutdown of FCC gas compressor for over capacity
- X. More flexibility for refineries / allowing higher heavy residue in the feed

Protea R-Series – Stabilizer & Dispersant

- I. Keeps asphaltenes and heavy hydrocarbon dispersed in the fuel
- II. Prevents and minimizes sediment in storage tanks
- III. Reduces filter plugging
- IV. Keeps fuel pre-heater cleaner/Less coking
- V. Cleaner burner tips



Protea R-Series – Dispersant & Stabilizer



Untreated sample after 5 min

Agglomerations of asphaltenes are growing bigger and start falling to settle in the bottom of the test tube



Treatment with 100 ppm R-46 after 5 min

Still no indications of agglomerations which indicates a stable solution

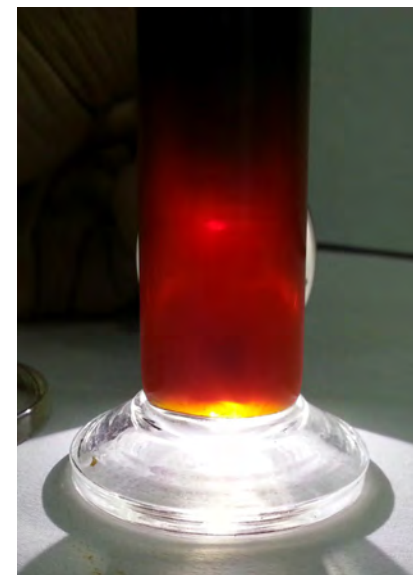
Protea R-Series – Dispersant & Stabilizer



Untreated sample after 60 min

The asphaltenes have settled in the bottom of the test tube.

The sample has become clearer in comparison to the treated sample which is an indication of an unstable fuel

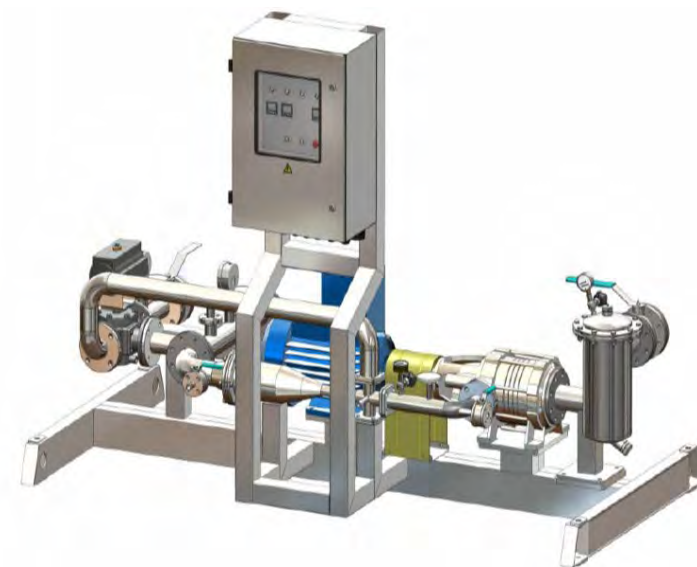


Treatment with 100 ppm R-46 after 60 min

The treated sample is still stable. No formations of agglomerations could be observed which indicates a better fuel stability

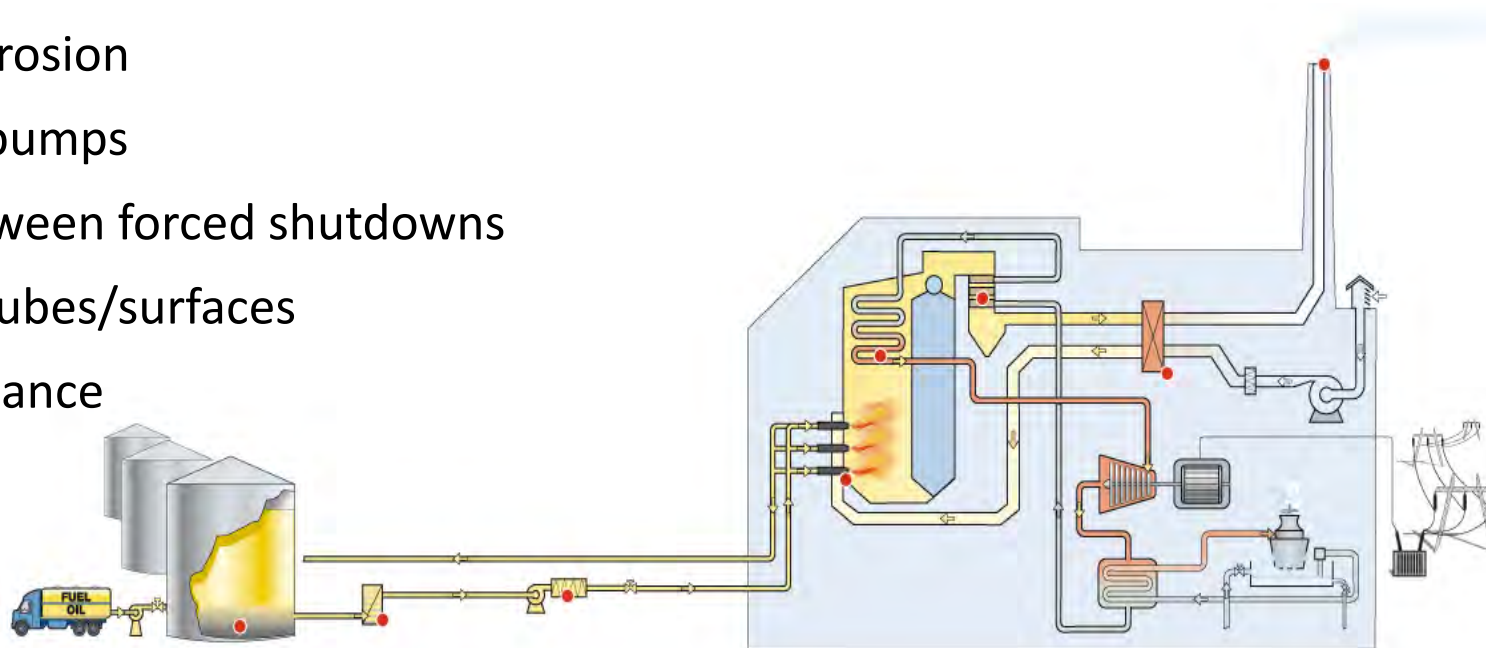
Fuel oil blending system

- I. Blending of two or three different Oils and prepare as a blended homogeneous Oil is an advanced technology to utilize by product or high viscous Oil as a major fuel and Low viscous fuel as a substituent fuel for cost effective.
- II. Normal agitation or tank mixer can't provide the 100% stable blended fuel oil. So, it requires a special equipment to make the blended oil 100% stable. The equipment is designed for mixing of High Viscous Oil & Low Viscous Oil in suitable ratio. Function of this equipment is mainly increasing the High Viscous Oil ratio at least 75% & Low Viscous Oil 25%. Different Viscosity oils will not mix properly without a blender. The special type of static / dynamic mixer setup is installed in this equipment to make the final product 100% stable, less viscous & Free Flowing.



Protea M-Series – Corrosion & Vanadium Inhibitor

- I. Highly active product
- II. Reduces and prevents deposits on tubes
- III. Reduces high temperature corrosion
- IV. Reduces low temperature corrosion
- V. No wear on burner tips or in pumps
- VI. Prolongs operation hours between forced shutdowns
- VII. Easier and faster cleaning of tubes/surfaces
- VIII. Less time and cost of maintenance



Thank you

