Welcome!

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Riyadh, KSA
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Theme of the presentation (8’):

Efficient & sustainable power management
• Increase efficiency, reduce production costs
• Fuel flexibility
• Diversify power production
• Flexibility
• Reliability
• Go lean & Green
• Commitment
SOLAR: 22%
GAS: 35 - 39%
DIESEL: 37 – 43%

ABC’s: 3 to 10 MW
- 47% efficiency
- 185 gr/kwh

Introducing DL36: High efficiency, low consumption
Turning the challenges into opportunities

**Fuel flexibility**

- Diesel, Gasoil
- LPG
- Dual fuel LNG/CNG – MDO
- HFO 180
- HFO 380
- Crude oil
- LNG
- CNG
- Methanol
Diversify Production: Hybrid power plants

• Hybrid solar & gensets: ABC turnkey solutions
  • Concept
  • EPC contracting
  • Full commissioning

• Hybrid wind, storage & gensets

Turning the challenges into opportunities
Diversify production

Technical details
Country: Mauritania (Kiffa)
Type of plant: Hybrid thermal power plant
Fuel: HFO
Commissioned: Mid 2016

Main Engines: 2 x 8DZC
2 x 12VDZC

Electrical power: 6,258 kWe
Power plant 20 MW to 200 MW

Projects:
- India
- Oman

- Wind farm
- HFO Gensets
- Pumped-hydro storage

Diversify production
Waste to electricity

Dual fuel gas – diesel with only 70% methane content
Technical details

Country: Algeria
Type of plant: Power supply (containerized)
Fuel: MDO
Commissioned: Sept. 2007

Main Engine: 10 x 12VDZC
Electrical power: 26.5 MWe
Generator: 10x LSA 54
Flexibility: hybrid systems

Hybrid & Power Management Systems

MAIN SCOPE OF SUPPLY

Power generation

Alternative power generation

Standard DMU

Optional panel
Technical details

Country: France
Type of plant: Power supply for nuclear industry
Fuel: MDO
Commissioning: 2017-2018

Main Engine: \( 38 \times 16VDZC \)

Electrical power: 133400 kW – 181250 HP

Generator: \( 38 \times JEGSY 100/M/6 \)

Tension: 6,6 kV at 50 Hz

Reliability: black start nuclear

- 38 nuclear emergency diesel generators (DUS)
- 11 different locations in France
- ABC is the first manufacturer in the world to pass the extremely rigorous nuclear qualification tests
100 % mechanically driven engines
Low cost regular maintenance
Straightforward operating instructions
Low consumption
25 years reliability guaranteed
4 ways:

- SCR scrubber
- Exhaust gas recirculation
- Dual fuel
- Methanol
Leading European manufacturer of 4 stroke medium speed generator sets

Power range between 600 and 10400 kW

Marine propulsion, power generating and locomotive traction, industrial applications

Tailormade solutions to your specific requirements

85 % of all elements made by ABC. 100% made in Europe. Assembling in GCC.

ABC engines are reliable and deliver outstanding performance in the toughest conditions

Low fuel and lube oil consumption, long lifetime, low installation and maintenance costs, less downtime

**BENEFIT:** lower operating cost and life cycle cost

Guaranteed availability of spare parts & consumables for the next 25 years in Saudi Arabia and the world

All classification society approvals such as BV, LRS, RINA, DNV-GL, ABS, ...
Commitment:

- Hub for the MENA region: Riyadh
- Enclosures building starting in 2018
- Spare parts centers in Dammam and Jeddah
- A training center in Riyadh in 2019
- Gensets assembly in 2019
- Engines assembly in 2021 - 2022
Thank you

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