



**ANGLO BELGIAN
CORPORATION**

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Welcome !

بكم في معرض الشركة الأنجلو- بلجيكية

February 13, 2018

Riyadh, KSA



The representative of Anglo Belgian Corporation NV
Capt. Vincent Pirot

Theme of the presentation (8'):

Efficient & sustainable power management



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The challenges

- Increase efficiency, reduce production costs
- Fuel flexibility
- Diversify power production
- Flexibility
- Reliability
- Go lean & Green
- Commitment

Turning the challenges into opportunities

Efficiency

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



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Turning the challenges into opportunities



Fuel flexibility

- Diesel, Gasoil
- LPG
- Dual fuel LNG/CNG – MDO
- HFO 180
- HFO 380
- Crude oil
- LNG
- CNG
- Methanol

Turning the challenges into opportunities

Diversify Production: Hybrid power plants

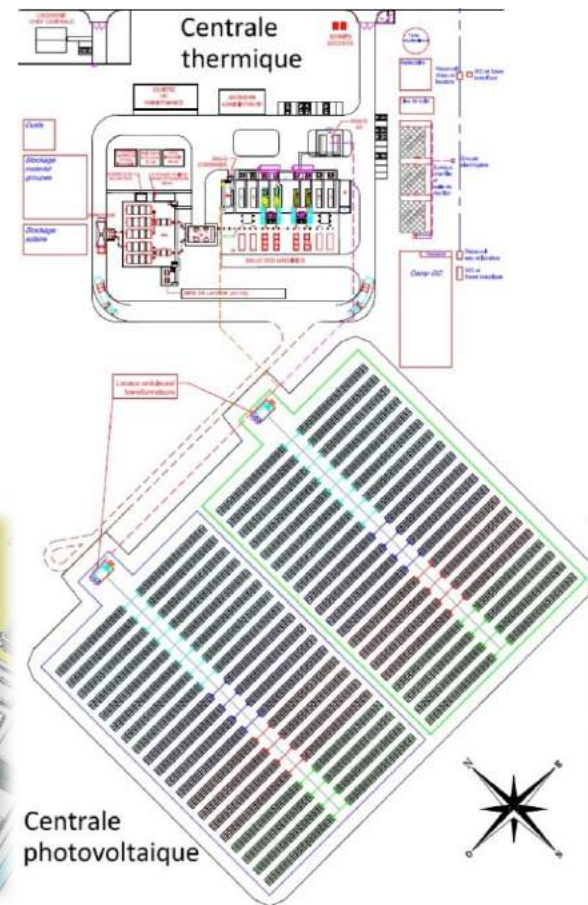
- Hybrid solar & gensets: ABC turnkey solutions
 - Concept
 - EPC contracting
 - Full comissioning
- Hybrid wind, storage & gensets



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 kW _e



Diversify production

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



Flexibility: movable power stations

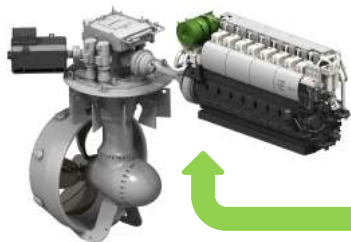
Technical details

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



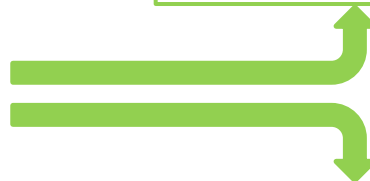
Standard DMU



Optional
panel



Power generation



Alternative power generation



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

Technical details

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

Main Engine: **38 x 16VDZC**

Electrical power: 133400 kW – 181250 HP

Generator: **38 x JEGSY 100/M/6**

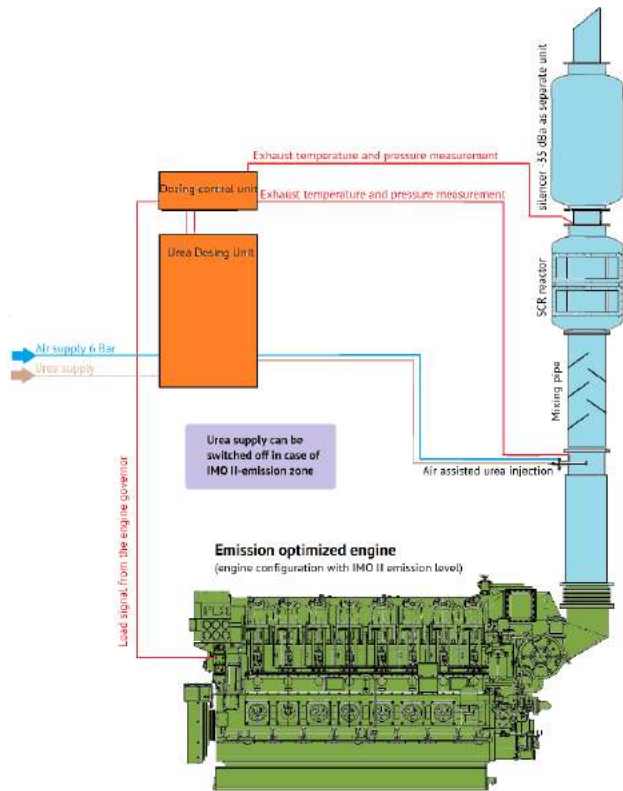
Tension: 6,6 kV at 50 Hz



Reliability: the KISS principle...

- 100 % mechanically driven engines
- Low cost regular maintenance
- Straightforward operating instructions
- Low consumption
- 25 years reliability guaranteed





Green & lean



4 ways:

- SCR scrubber
- Exhaust gas recirculation
- Dual fuel
- Methanol





Commitment: ABC in a nutshell

- 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



Enclosure made in KSA !



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Thank you

Capt. Vincent Pirot

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