European Engine Power Plants Association

EUGINE

Introduction to EUGINE and its view on connection NC

Srinivasa Raju Addala (EUGINE / Wärtsilä)

Grid connection European stakeholder committee

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fast
modular
environmentally sound
efficient
reliable
flexible energy

The Voice of Europe's Engine Power Plant Industry

European Engine Power Plants Association

ABB

BOSCH Technik fürs Leben

CATERPILLAR

Cummins Power Generation

EC POWER

Specialists in Power Generation Edina

LIEBHERR

MAN

MarelliMotori Group of Companies

GE

Rolls-Royce

WÄRTSILÄ

"A dynamic EU-based business sector"

10,000 employees - € 1 billion turnover

The Role of Engine Power Plants

Main traditional applications

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Emergency Reserve

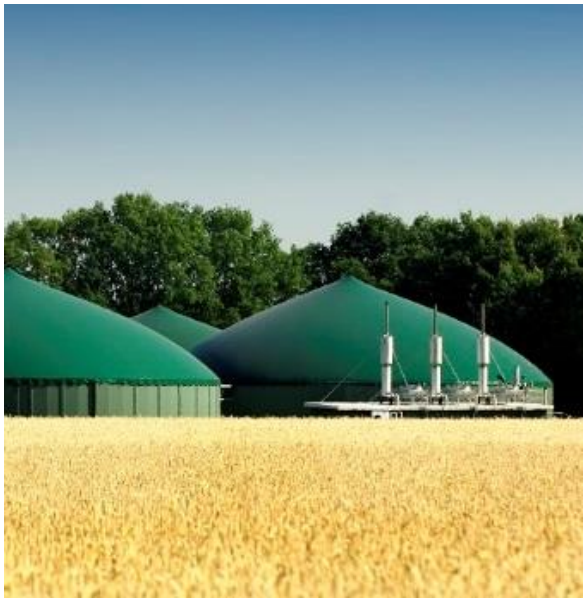
To ensure a steady supply in electricity in hospitals, airports, shopping and data centers,…

Cogeneration

To ensure an energy-efficient supply of electricity and heat (and/or cold) everywhere both are needed (manufacturing plants, swimming pools,…)

Energy from RES

To transform green gas (biogas, sewage, landfill gas,...) into electricity and heat (in farms, sewage treatment plants,…)



Source: EnergyWorldMag

The Role of Engine Power Plants

New: Flexible Backup for Renewables

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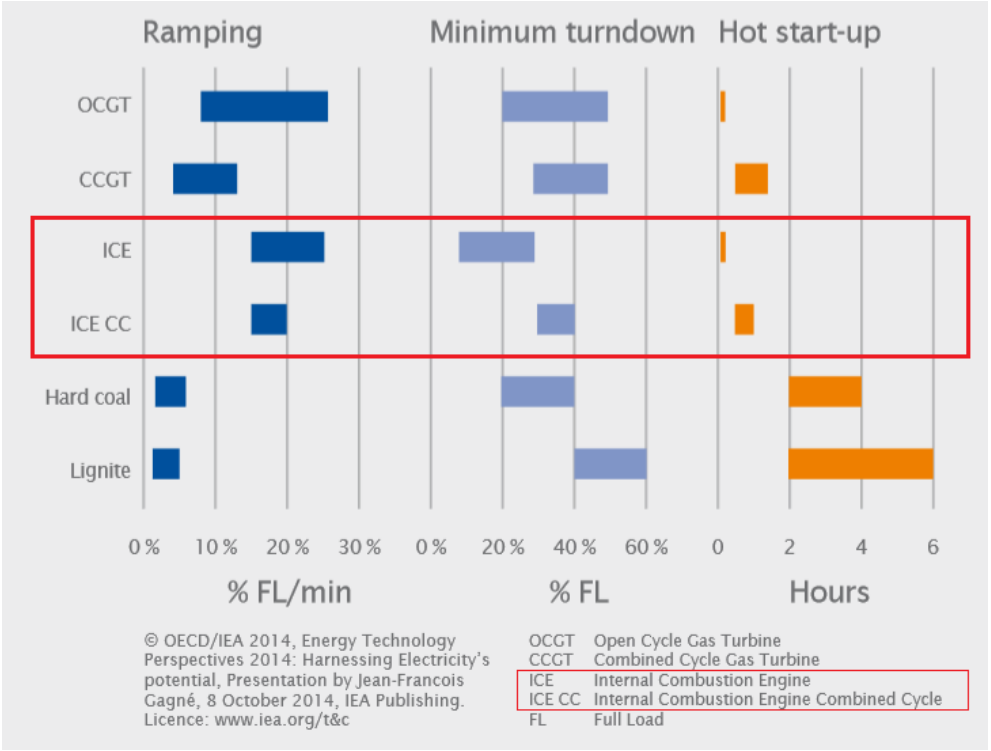
Flexible gas engines
as back-up for variable renewables



According to the "International Energy Agency", engine power plants are "increasingly attractive": "They are robust, offer flexible operation, accept a wide range of fuels, are effective for cogeneration and can be stacked to match the capacity required."

Source: IEA, ETP 2015

EUGINE and the connection NC

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Engine power plants are directly affected by connection network codes.

As a new association (2014), EUGINE:

- Has not been directly involved in the CNC drafting process
- Can nevertheless build on the intensive work already done by its members

Main concerns of the engine power plant industry:

- Fault-Ride-Through (FRT) requirements
- Reactive power requirements
- Compliance process, derogations

EUGINE is ready to:

- Cooperate with all interested parties
- Provide facts and figures

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