

THE WHITEGATE POWER STATION IN IRELAND



GE VERNOVA

Increasing plant efficiency and reliability, and reducing maintenance costs with GE Vernova's Reliability Excellence software technology

VITAL STATISTICS

- 445 MW gas combined power plant
- Located 25 miles east of Cork
- Owned by Bord Gáis Energy

POWERS APPROXIMATELY



That's around **300,000 Houses**



CHALLENGES FOR WHITEGATE

Reduce
OPEX

Increase
reliability

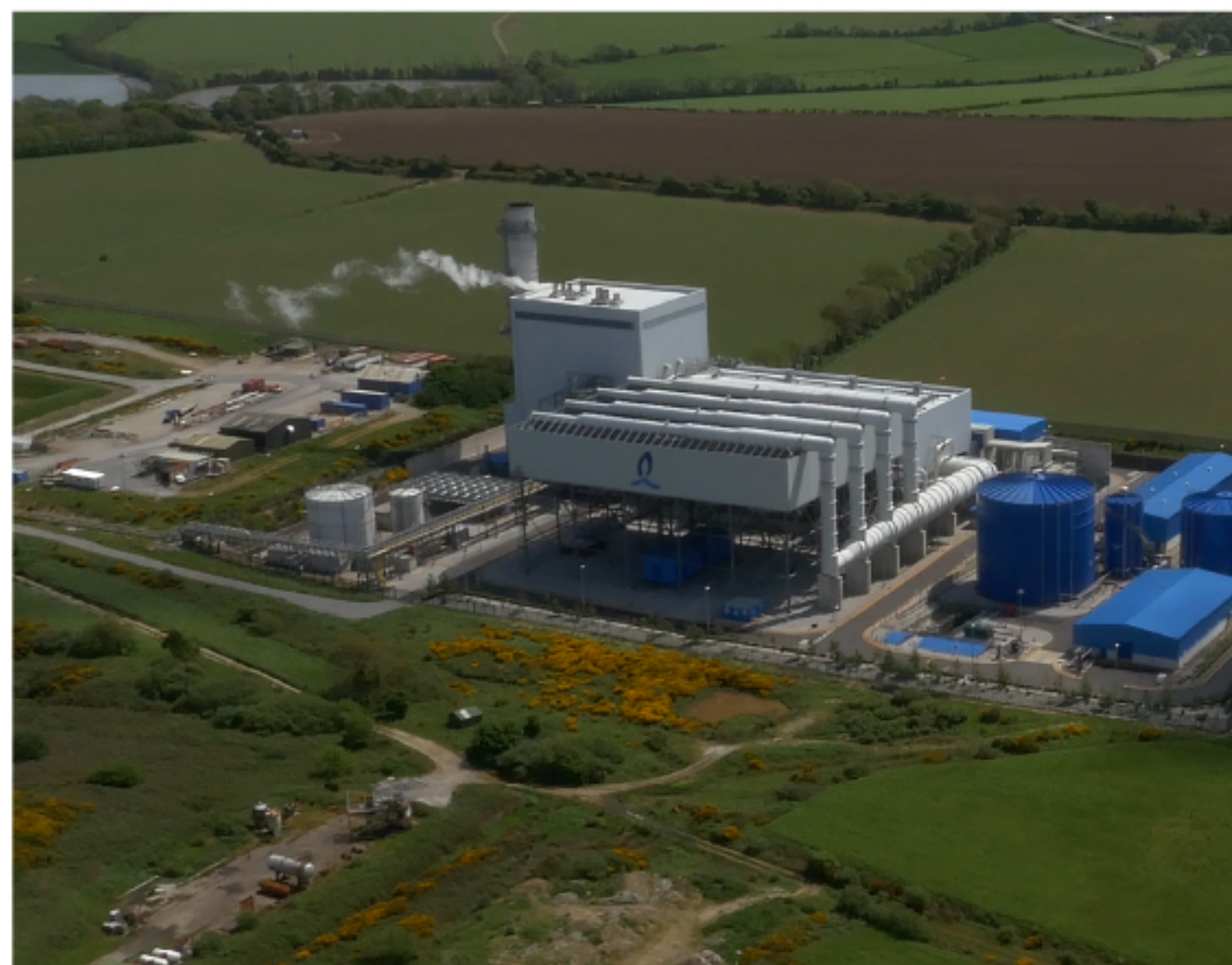
Changing
regulations

EARLY WARNINGS

of failure
mechanisms using
300 algorithms

DETECT OPERATIONAL ANOMALIES

including parts
degradation



GE Vernova
Industrial Internet

**141
SENSORS**

throughout the plant



24/7

Monitoring &
decision Support



HOLISTIC PLANT VIEW

The world's first installation of GE Vernova's Excellence app provides the enterprise level visibility needed to optimise power plant fleet business, reduce plant downtime and balance of plant maintenance costs.



Condition
based
monitoring



Intelligent
information
processing



Cloud-based
data aggregation

Data &
information
Management