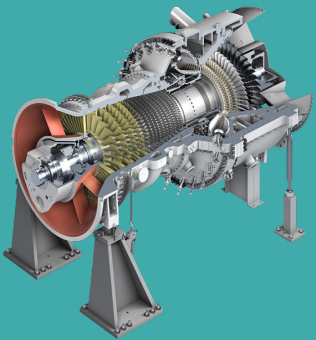# Siemens launches Digital Asset Optimization project with DEWA in Middle East
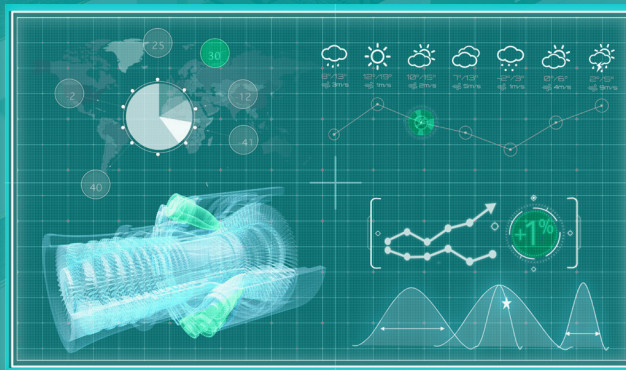
Siemens' Digital Asset Optimization uses on-site digital monitoring of a unit's performance and advanced data analytics at L2-station and M-station.

10 SGT5-4000F gas turbines were monitored over the past several months.

Based on the results, Siemens and DEWA are jointly developing optimized solutions including an **intelligent, self-learning gas turbine controller.**

The controller development process to combine gas turbine **thermodynamics with advanced methods of machine learning.**
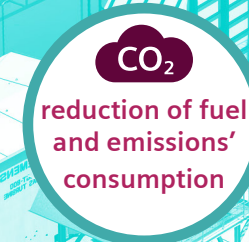
The controller will enter commercial operation at the DEWA plant by the **end of 2017.**

performance optimization

cost-effective solution

CO_2 reduction of fuel and emissions' consumption

25 Siemens E- and F-class gas turbines generate approx. **5,300 MW** contribute **~52%** of DEWA's total power capacity