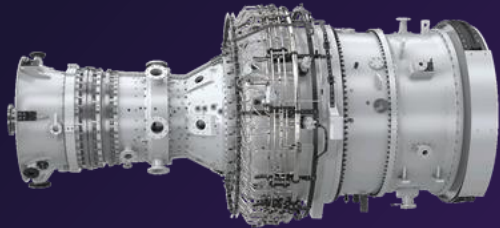


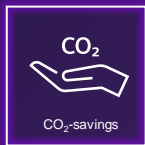
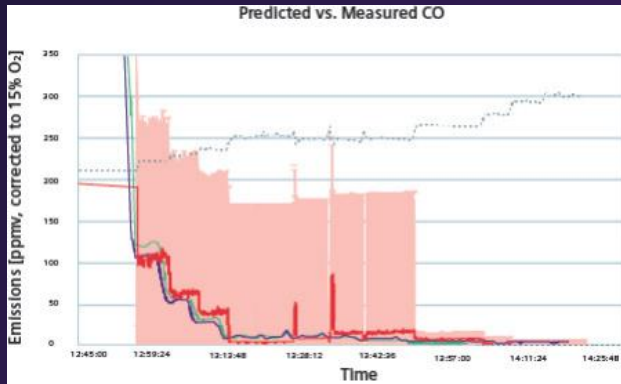
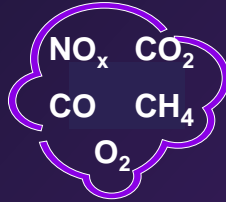
# Predictive Emission Upgrade

Applicable fleet SGT-400

System internal engine parameters



PEMS calculated outputs



CO<sub>2</sub>-savings



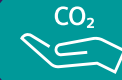
Efficiency



Life-Cycle Cost



## Increases Monitoring Capability



Reduced emission due to monitored KPIs

### Product Overview

PEMS represent a significant cost saving over continuous actual measurement

A digital solution which provides emissions data to your fingertips and has the capability to calculate NOx, CO and CO2.



### Improved Features

Siemens Energy PEMS uses unique knowledge of the product, with thermodynamic and chemical kinetics modelling. We predict the exhaust emissions in our core engine model, this can result in significantly lower life-cycle costs due to reduced maintenance compared to dedicated Continuous Emissions Monitoring (CEMS).



PEMS can integrate with your current systems and support providing emissions data to local authorities whilst being widely accepted globally.

### Benefits

- PEMS is a suitable means for evaluating emissions under MPC directives (possible to CEN/TS 17198 certify)
- Only engine data needed, no extra hardware is needed on site
- Provides options for Remote Diagnostic Services
- Can be installed as Software-as-a-Service or independent software platform



### Scope of work & Implementation

