



# AUTOMATIC ANOMALY DETECTION ALGORITHM

*Method based on learning a system's nominal performance using measurements acquired during the system's operation*

## Technological benefits

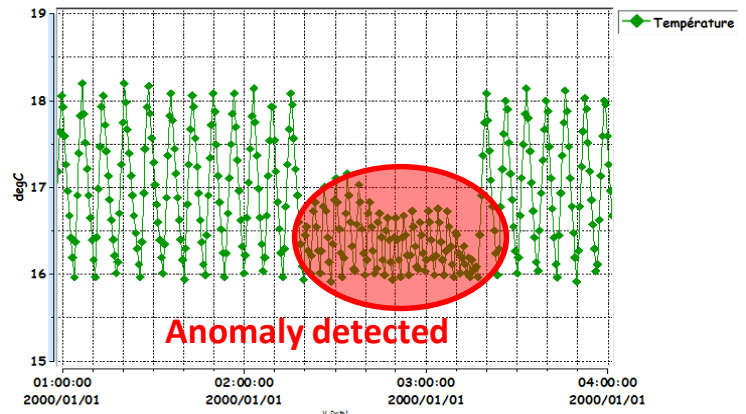
### System supervision method based on recorded measurements

Synthetic modelling of a system's nominal performance  
Can detect early warning signs of a malfunction

### Rapid and simple anomaly detection

Enhanced responsiveness in the event of an anomaly

### Reduction in system downtime



## Invention overview

The method uses two operating modes:

- \* A learning mode during which a nominal model for each parameter measured is built up using recorded measurements.
- \* A detection mode in which new measurements are compared with models obtained during the learning phase to determine atypical performance time periods

## Potential applications

Fields for which measurements are acquired continuously over a long period.

Health, finance, automotive industry, rail, aeronautics, chemistry, home automation

## Commercial benefits

Simple installation

Failure prediction

Patented invention, available under license