



# Avance | Task Monitoring

Powel Avance Task Monitoring introduces a new user experience to the Avance suite. The focus is to give an overview of all deviations from energy data processes and provide a set of tools to track, analyse and correct the underlying issues to achieve operational excellence.

## Overview

Avance Task Monitoring is an event driven workspace that utilises process triggers and events provided by the underlying modules of the Avance suite. Such are processes connected to: Communication, Collection, Validation, Estimation, etc.; but it could also be fed with events from AMS/AMI equipment, which would highlight deviations in the delivery to the end customer or low performing distribution grids for utilities like: Electricity, District heating, Water & Gas.

With the rollout of smart meters, the information provided about the metering system or the grid that it is connected to has grown exponentially. This gives distribution grid owners a new constant stream of data that can be utilised to secure a good quality of delivery. Avance Task Monitoring analyses the constant stream of data and highlights what is important to you and the processes you maintain.

## Operational tasks

When automating energy data processes, there are some that are not suited for automation and some that need manual root cause analysis and decisions. A part of the process is to identify and act on the deviations from these energy data processes, regardless of whether you are pursuing full, semi, or no automation. Task Monitoring is analysing this constant stream of data from the processes running in Avance or the actual events provided by the distributed intelligence from smart meters, and as soon as a set of rules are met a new task is born.

A task is a “container” that keeps track of the current state, who is currently working with this deviation (system or user), notes taken during the manual work process, and a duration for solving the deviation. Tasks can be managed by the system, automatically opened and closed as a specific set of rules are met or by one or multiple users working together when following a manual work process.

## Geographic positioning

When doing root cause analysis to find the underlying issue of a created task, data augmentation by combining geographical information with events and additional layers of information in a map, can provide new insights or solutions to solve the actual issue causing the deviation from an automatic or manual process. We use the powerful GIS platform ESRI ArcGIS as an embedded component to perform geographic positioning. In addition, multiple layers of data from the Avance suite or other published services from other lines of business applications can be consumed, e.g. grid network topology, and published together with the core data of Avance Task Monitoring.

## Sort, filter & group

With the ability to drill down into a specific period or geographic area, aiming for a specific event, working with active tasks or analysing the history of operational status, Avance Task Monitoring can filter all information to show a specific type, sorted by e.g. date and priority to find the things of interest right now. This set of tools puts powerful operational analysis right at the fingertips of operators, and decreases the time spent on root cause analysis done by comparing multiple sources of data in spreadsheets and comparing notes with colleagues.

## Operational excellence

To meet the requirements of markets and legislators today and tomorrow, nothing can be left by chance or wait for a resolution in the future. Full control of processes and deviations are required to reach the level of operational excellence expected by all stakeholders of the energy data managed in Powel Avance.

By combining the elements of generated tasks, geographical positioning, and additional data provided by other line of business applications, a holistic view of your energy data operations is presented. And applying the toolset given to track, analyse and correct underlying issues, gives operators the platform to achieve operational excellence in energy data management.

### KEY FEATURES

- Process driven workspace
- Process logging
- Event stream analysis
- Advanced rule engine
- Geographic positioning
- Operational analysis
- Multi-utility