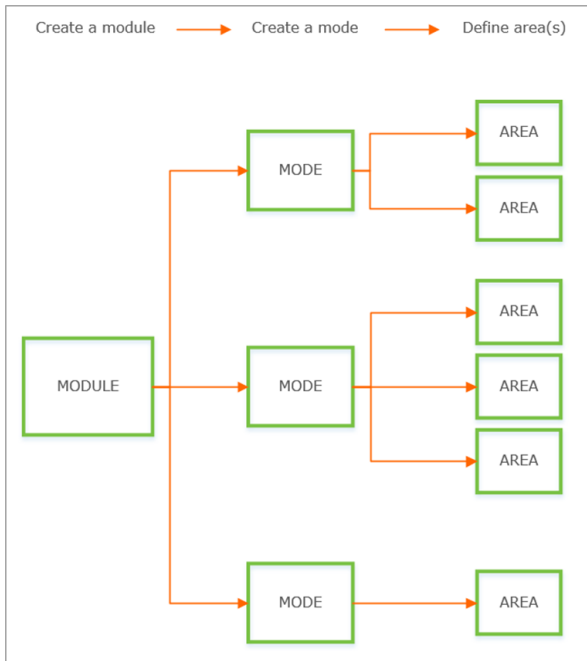


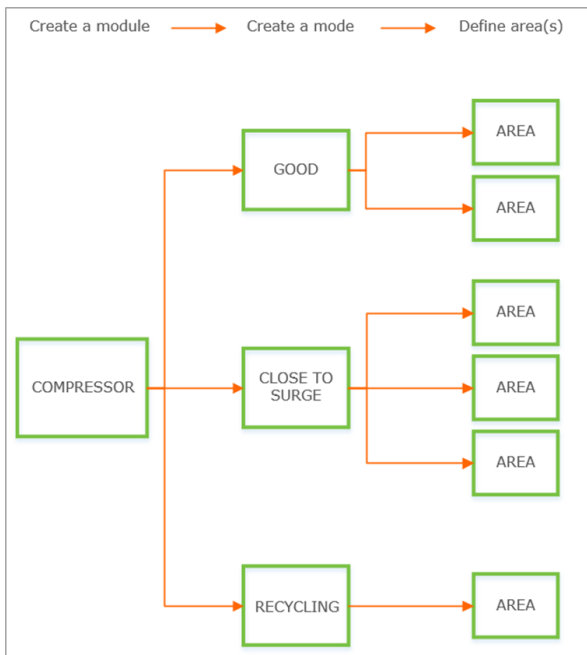


# OpMode

## Operational Modes - How to?



The diagram above could be translated to:



By using the OpMode app you can use machine learning yourself and easily define different operating modes on your plant from multiple PVs.

OpMode consists of three main components:

### Modules

- A collection of modes

### Modes

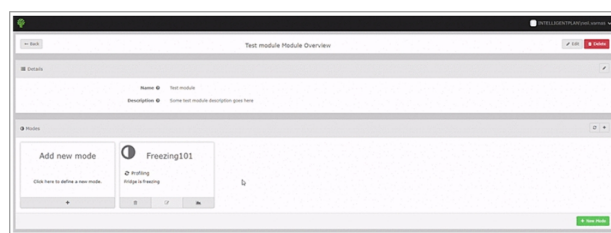
- Mode component can be defined by one or more areas

### Area

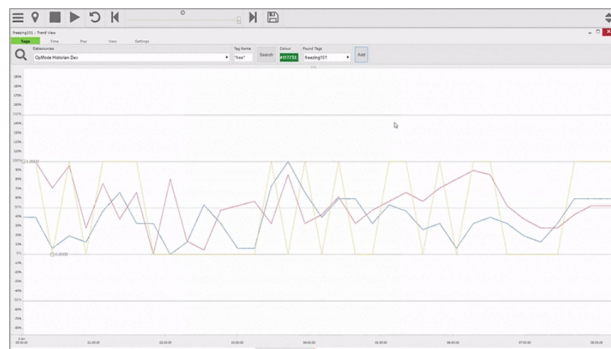
- Process PVs bounded by a period of time which indicate a mode. For better and more precise results you may want to define multiple areas

By default OpMode will profile six months of historical data. It will then subscribe to new values coming in for selected tags.

You can track progress displayed on the mode card or visualise them in trend by finding a newly created tag.



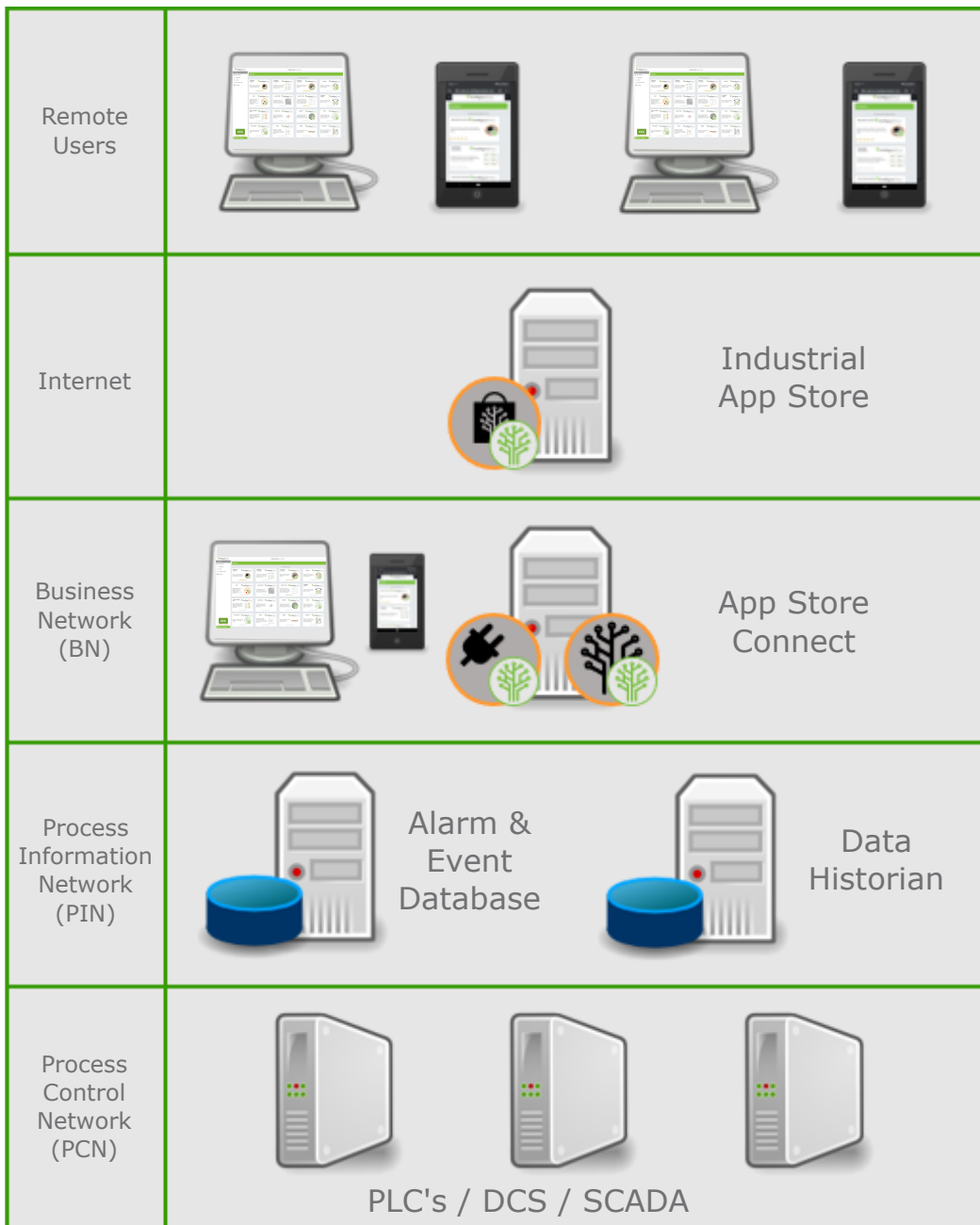
You can super-impose mode results against source tag data.





# Architecture

## How it Works



- A lightweight piece of software called the App Store Connect is installed on your Business Network with read only communications to your Plant Historians via bespoke and OPC protocols.
- You control which data can be shared to the Industrial App Store. You control who and which Apps have access to this data. Data access is controlled by you and no-one else.
- Requests for data are sent from the Industrial App Store to your App Store Connect which then gets the data from your Historian and serves it to the Industrial App Store. All this is done securely using HTTPS.
- Once the data is used by the App it is discarded. Any calculated results can be written back to the App Store Connect on your site. Share data with business users, vendors, remote external users and service providers etc.

**At Intelligent Plant we recognise that there are many ways and reasons to access, interpret and analyse data but we believe that your data should always remain YOUR data.**