

# Case Study : Lifecycle Management System for Process Control Monitoring

## Business Challenge

To support the users (or PFS/customers) with a fast and reliable provision of information and simplify data maintenance



## Requirement

- To develop a tool which provides user the different configuration information used in PCM for fabrication process like , products(Mask Order), devices and parameters (Electrical parameters) etc.
- Feature for Bulk upload of PCM configuration from xls.
- Convert application from monolithic to microservice to increase scalability and availability.
- Build Micro-frontend for the PCM Apps.
- UT coverage for the PCM application.
- Added Sonar Cube for Quality Analysis.



## Technology & Tools

- Backend : Ruby On Rails
- Frontend: Vue JS
- DB : MySQL
- Tools :Bitbucket, Jira



## Value add by Mirafra

- Spearhead frontend development.
- Implemented coding standards in backend using Rubocop
- Published unit test cases in backend
- Optimized resource by deploying full-stack developers