

PAM ROADMAP

Bredius DataLab supports you in your journey to Predictive Asset Management! For data based decision making and maintenance & failure prediction.



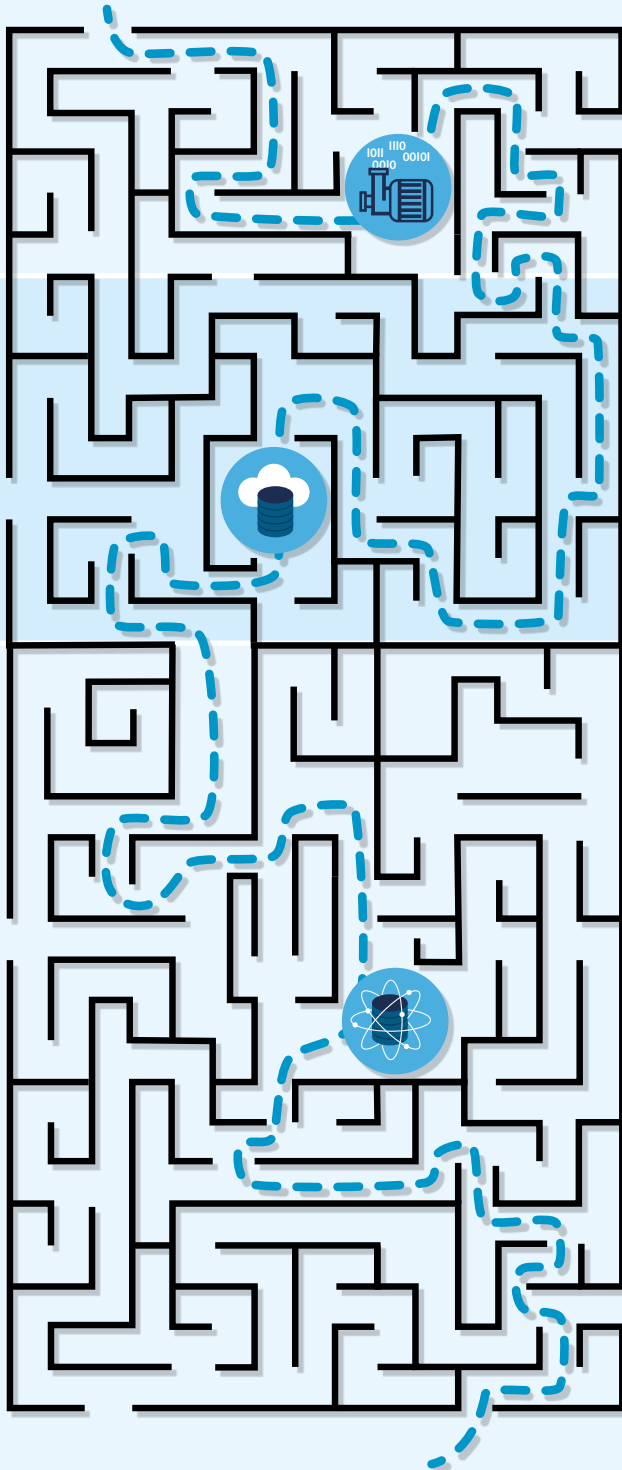
FROM ASSET TO DASHBOARD

HOW BREDIUS DATALAB SUPPORTS YOU

ASSET

DATA COLLECTION

DATA SCIENCE



Business case

- Business case with CRISP-DM
- Engineering principles
- RCA with maintenance department

Sensor support

- Sensor selection
- Sensor evaluation
- DAQ advice (sampletime, frequency etc)

Data transfer

- Data transmission support
- Network advice
- IoT support

Cloud data storage

- Azure storage / Data lake erection
- Ingestion implementation
- Database engineering
- System structure analysis
- Data modelling
- (Historic) Data import

Data understanding

- Data collection
- Data description
- Data exploration
- Verifying data

Data preparation

- Data selection
- Data cleaning
- Data validation
- Data understanding
- Data exploration

Signal analysis

- Signal analysis
- Feature engineering (FFT, cepstrum, wavelet etc)

Modelling

- Modelling techniques selection (regression, clustering, random forests, neural network, etc)
- Data clustering
- Test design
- Model build
- Assess Model
- Model training / testing
- (hyper) Parameter tuning
- Model maintenance / optimisation
- Model description

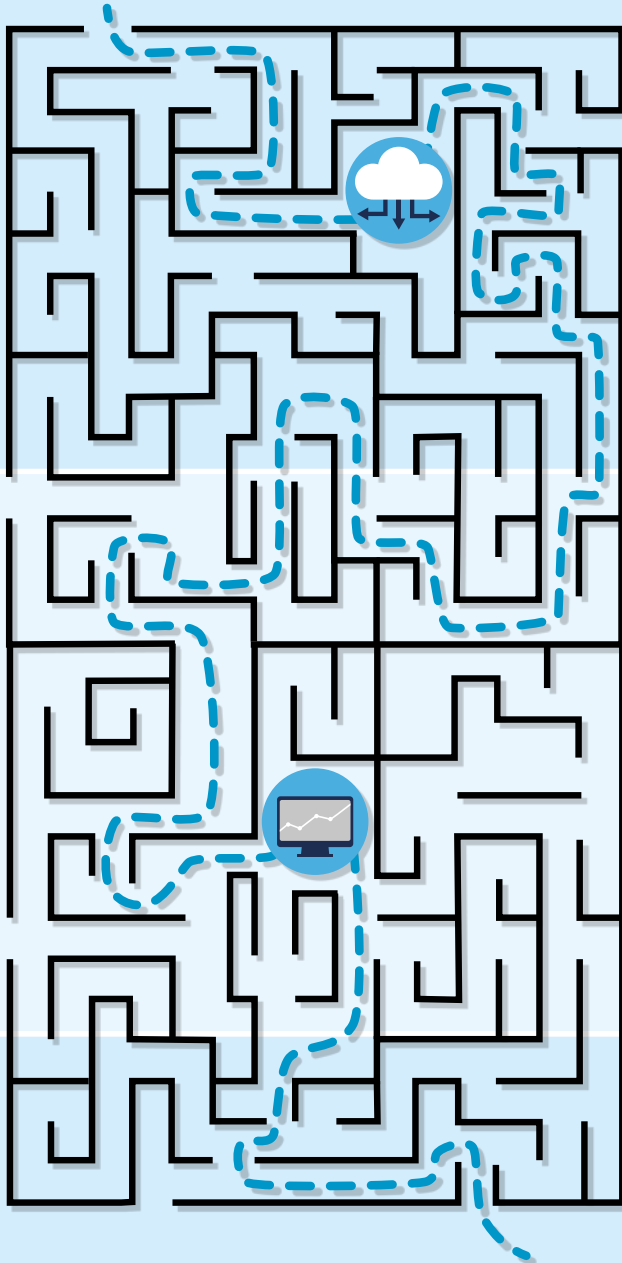
PAM ROADMAP



FROM ASSET TO DASHBOARD

HOW BREDIUS DATALAB CAN SUPPORT YOU

DASHBOARDING



Model implementation

- Data factory implementation
- Databricks / Azure functions / Azure HDinsight (Spark)

Output database

- Database engineering
- SQL server implementation
- Data connections support
- Data import to report
- Data transformation
- SQL data modelling
- API support

DAX data preparation

- Data model for Power BI
- DAX queries / measures creation
- Visuals creation
- Visual customization
- Data calculations
- KPI calculations
- Data selector creation

Dashboarding

- User experience
- Dashboard / UX design
- Dashboard built
- Visuals built
- Web portal engineering
- Report creation
- Active Directory management (RLS)
- Dashboards publication
- User training

General activities & Training

- System analyses / optimisation
- White paper support
- PAM MT only session
- PAM awareness training
- PAM extended training
- Domain knowledge sharing for data science