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YANMAR R&D EUROPE

Energy & Digital Solutions (EDS)

NICE TO MEET YOU



Piero Danti

Senior ML Researcher

 piero_danti@yanmar.com

 [Linkedin](#) piero-danti

 [GitHub](#) PierD86

❖ **PhD** @ UniFI

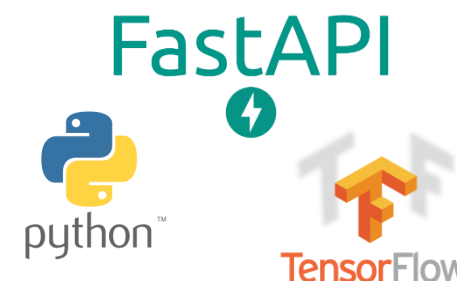


❖ Application of AI for Anomaly Detection in Energy Generation Systems

❖ Senior **ML** Engineer @ **YANMAR**

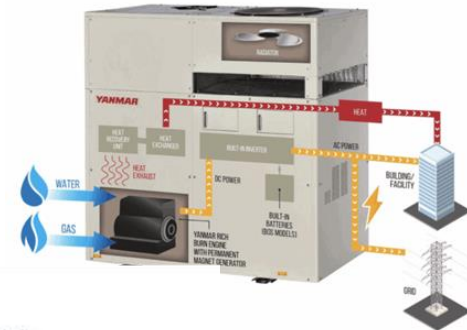
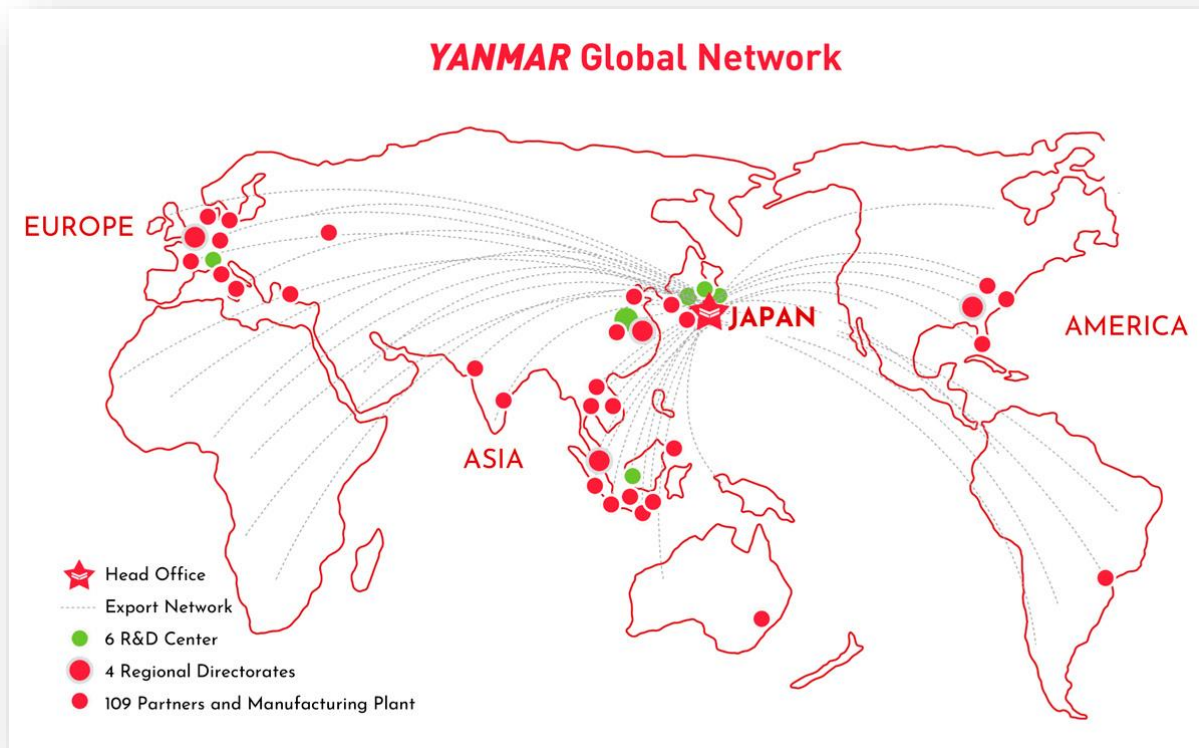


❖ **MSc** Automation Engineer



HAVE YOU EVER MET **YANMAR**?

- ❑ **YANMAR** is a Japanese diesel engine and machinery manufacturer.
- ❑ YANMAR **engines** are used in a **wide range of applications**



TECHNOLOGY DOMAINS



ARTIFICIAL INTELLIGENCE

Machine Learning
Deep Learning
Anomaly Detection
Time-series Forecasting



ENERGY MANAGEMENT SYSTEMS

EMS- industry/Building/Homes
Optimization algorithms



CLOUD PLATFORM

AWS
Databases
IoT

AI & MACHINE LEARNING

Tech Domain | List



❑ Data Analysis and Visualization



❑ Machine Learning



❑ Deep Learning, Neural Networks



❑ Time Series Forecasting



❑ Anomaly Detection/Prediction



❑ Containerization





BANK CHURN PREDICTION

SIMPLE CLASSIFICATION PROBLEM

- ❑ The problem is about **predicting** whether a customer will change his/her bank, something known as **"churning"**
- ❑ The best way **to avoid customer churn** is for a company to know its customers truly. This includes **identifying customers at risk of churning** and working to improve their satisfaction.



<https://github.com/PierD86/bank-churn-prediction/tree/main/notebooks>