Applications of AI for Predictive Maintenance (AAPM)

ID AAPM **Price** on request **Duration** 1 days

Prerequisites

- Experience with Python
- Basic understanding of data processing and deep learning

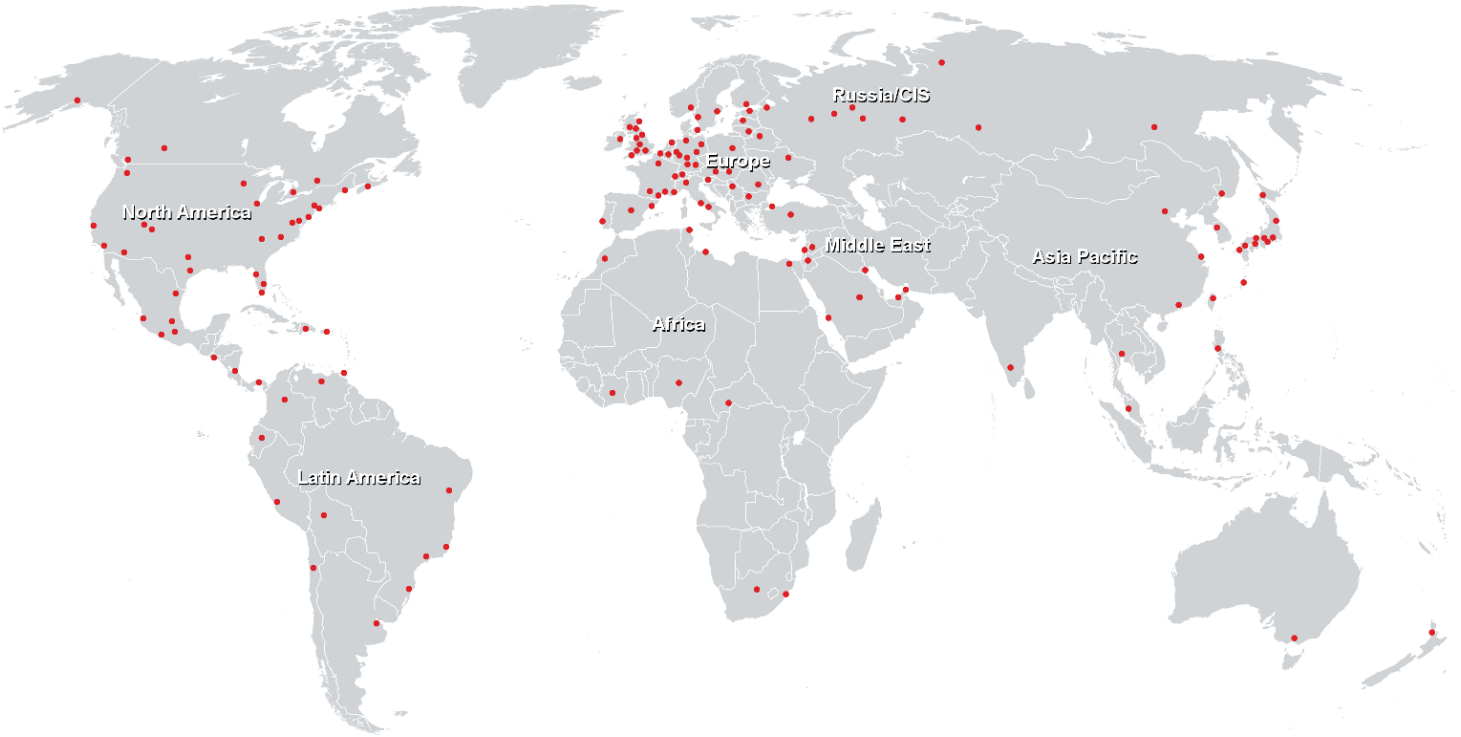
Suggested materials to satisfy prerequisites: Python Tutorial, Getting Started with Deep Learning

Course Objectives

- Use AI-based predictive maintenance to prevent failures and unplanned downtimes
- Identify key challenges around detecting anomalies that can lead to costly breakdowns
- Use time-series data to predict outcomes with XGBoost-based machine learning classification models
- Use an LSTM-based model to predict equipment failure
- Use anomaly detection with time-series autoencoders to predict failures when limited failure-example data is available

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Training Centres worldwide





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