

# Applications of AI for Predictive Maintenance (AAPM)

ID AAPM Prix sur demande Durée 1 jour

### Cette formation prépare à la/aux certifications

NVIDIA-Certified Associate: Generative AI Multimodal (NCA-GENM)

#### Pré-requis

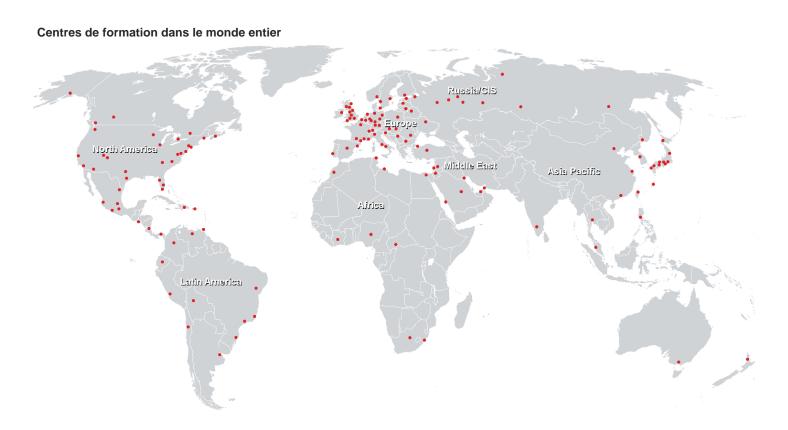
- Experience with Python
- · Basic understanding of data processing and deep learning

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

### **Objectifs**

- Use Al-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 XGBoostbased 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

# Applications of AI for Predictive Maintenance (AAPM)





Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3 CH-8304 Wallisellen Tel. +41 44 832 50 80

info@flane.ch, https://www.flane.ch