SyDaGen

Let's get your shopfloor AI to work!

The Business Model

Unique Selling Proposition: service specifically suited for the particular needs of the manufacturing industry

Unfair Advantage: domain knowledge and experience, great understanding of the customer needs and data challenges in shopfloor AI

Revenue Model: SaaS

Venture Readiness Level

VRL	Ideation	Incubation	Traction	Growth

Technology Readiness Level

TRL	1	2	3	4	5	6	7	8	9

The Project

SyDaGen's synthetic data generation enables data-driven shopfloor AI for anomaly detection, condition monitoring, optimization and more.

Synthetic data is the future o f ML-based analytics, especially in the manufacturing industry, which is currently undergoing a massive digital revolution.

It is used to train ML models in use cases, where (i) not enough real data is available, (ii) integrating real data is too time-consuming or expensive, (iii) new shopfloor configurations need to be evaluated, and many more.

SyDaGen offers a service that turns insufficient data into full-blown training sets for ML. Our synthesized data sets are realistic and trustworthy, arbitrarily large, parametrizable and anonymous, while preserving all the necessary characteristics relevant for the use case and applied model. SyDaGen data is instantly and easily available and ready for AI training.

The Side Facts

Customer Focus: B2B

Searching For: Proof of Concept, partner, pilot customers, expert interview partner, investors, mentors

Industry Tags: industrial goods & services
software & services

Technology Tags: artificial intelligence, big & smart data, deep learning, digital twin, machine learning, smart factory

The Team

Location: Fraunhofer IOSB-INA, Lemgo

Members: Marta Fullen - Magnus Redeker - Stefan Windmann

AHEAD Infos **Batch:** B12 2023 **Phase:** 1 **Track:** Spin-off or licence