Open Logic Systems GmbH & Co.KG

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

We offer solutions for digitalisation, business intelligence & data warehouse, big data, data science & artificial intelligence. In collaboration with Fraunhofer LBF and other partners, we develop solutions for the simulation and prediction of vibration behaviour. Real-time simulation and high-frequency measurement data acquisition using artificial neural networks and big data systems are pushing the current boundaries.

Together with the Fraunhofer Institute LBF, we develop software solutions for simulating and predicting the vibration behaviour of known and new materials, systems and vehicles. The use of artificial intelligence and big data technology enables very accurate and fast simulation and prediction of systems. The interfaces we have developed in existing solutions, such as AdaptroSim and Matlab, allow extremely fast data exchange, e.g. with big data platforms or AI systems. We thus provide further alternatives to the familiar methods, such as FEM. In particular, new materials for lightweight construction can be simulated much faster than before using our AI solutions. We advise and support the development of big data systems for the acquisition, storage and processing of polystructured mass data from the various sensors and their subsequent use for simulation.

Kleikamp 26
48720 Rosendahl
North Rhine-Westphalia
Germany
www.open-ls.de

Organisation type
Small or medium-sized enterprise

Sectors
No specific sector

Employees
10 up to 49

Turnover
Up to €2m

Funding
n/a

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About this organisation

Main areas covered	Big data, data science and AI
Infrastructure	Big data platform (cloud service), AI platform (cloud service), Cloud service for Simulink & Matlab
Certifications	
Keywords	Adaptronics, Artificial intelligence, FEM, Big Data, Matlab
Memberships	

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
Products			
Services & consulting Consulting, Testing and trials, Prototyping, Simulation, Technology transfer	✓	✓	✓
Field of technology			
Design & layout			
Functional integration			
Measuring and testing technology			
Modelling and simulation Optimisation, Structural mechanics	✓	✓	✓
Plant construction & automation			
Recycling technologies			

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

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Contacts

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