ARRK Engineering GmbH

ARRK Corporation Japan / Mitsui Chemicals Inc.

About this organisation

Machine translation

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

ARRK Engineering is a globally active development partner for the automotive and mobility industry, specialising in end-to-end and comprehensive support for the entire product development process - from the concept phase through series development to validation and system integration of mechanical and electronic components.

The proportion of development tasks in the areas of e-mobility, autonomous driving and software development in a digitalised development environment has been growing steadily for years and is becoming increasingly important. Through highly efficient project management, we work with our customers to achieve their development goals. We supply prototypes and pre-production tools for small quantities as part of our development work or as a separate service. We rely on the many years of interdisciplinary expertise of our 1,600 employees at locations in Germany, Romania, the Netherlands, Malaysia, Japan and China. As a member of the international ARRK Group, we have additional resources available worldwide to support our customers in international markets.

Organisation type
Large enterprises

Sectors

Employees
500 and more

Turnover
More than €50m

Funding
n/a

Frankfurter Ring 160
80807 München
Bavaria
Germany
www.arrk-engineering.com

ARRK Engineering GmbH

ARRK Corporation Japan / Mitsui Chemicals Inc.

About this organisation

Main areas covered	Concept and product development
Infrastructure	Materials testing laboratory (incl. dynamics)
Certifications	ISO 9001-2015, TISAX®
Keywords	Automotive, Development, Composites, Construction, Simulation
Memberships	Composites United e.V. & MAI Carbon

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Software & databases, Systems and end products, Materials, Tools and moulds		✓	✓
Services & consulting Consulting, Testing and trials, Engineering, HR services, Prototyping, Validation, Simulation, Technology transfer, Maintenance and repair	✓	✓	✓

ARRK Engineering GmbH

ARRK Corporation Japan / Mitsui Chemicals Inc.

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Lightweight design, Hybrid structures, Lightweight construction concepts, Lightweight material construction	✓	✓	✓
Functional integration			
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), System analysis, Environmental simulation, Materials analysis, Destructive analysis, Non-destructive analysis		✓	✓
Modelling and simulation Crash behaviour, Loads & stress, Life-cycle analysis, Multiphysics simulation, Optimisation, Processes, Structural mechanics, Materials, Reliability validation	✓	✓	✓
Plant construction & automation			
Recycling technologies			

ARRK Engineering GmbH

ARRK Corporation Japan / Mitsui Chemicals Inc.

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Manufacturing process			
Additive manufacturing 3D printing, Selective laser sintering (SLS), Stereolithography		✓	✓
Coating (surface engineering)			
Fibre composite technology Manual lamination, Pre-preg processing, Vacuum infusion		✓	✓
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

ARRK Engineering GmbH

ARRK Corporation Japan / Mitsui Chemicals Inc.

Overview of lightweighting expertise

Machine translation

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

	Research	Development	Manufacturing & Supply
Material			
Biogenic materials			
Cellular materials (foam materials)			
Composites			
Fibres			
Functional materials			
Metals			
Plastics			
Structural ceramics			
(Technical) textiles			

Contacts

Machine translation

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

Mr Dr. Thomas Schneider

COO

thomas.schneider@arrk-engineering.com