

Engineering company for reliability and process modelling mbH

About this organisation

Machine translation

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

IZP Dresden is a cross-industry engineering service provider specialising in RAMS and LCC for products and processes. We offer special consulting services, tailored training and further education courses as well as software solutions for analysing, predicting and optimising the safety, reliability, maintainability and life cycle costs of technical systems.

We analyse and evaluate the safety and reliability of lightweight construction solutions in comparison to conventional systems. We use special analyses of the life cycle costs of lightweight construction products to provide evidence of the sustainability of lightweight construction concepts. By developing customised maintenance strategies, we support the optimal operation of lightweight construction systems while maximising safety and minimising costs. We minimise risks in the development process with FMEA and fault tree analyses.

Am Waldschlösschen 4
01099 Dresden
Saxony
Germany
www.izp.de



Organisation type

Small or medium-sized enterprise

Sectors



Employees

Up to 9

Turnover

Up to €2m

Funding



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Main areas covered	Reliability analysis, FMEA and fault tree analysis, LCC analysis and optimisation, Risk analyses, Sustainability analyses
Infrastructure	Seminar room, RAMS/LCC software tools
Certifications	
Keywords	RAMS/LCC, Risk analyses, Reliability analysis, Maintenance strategy, FMEA and FTA
Memberships	Rail.S

Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Offer			
<i>Products</i>			
Services & consulting Training, Consulting, Testing and trials, Validation, Technology transfer, Maintenance and repair, Approval	✓	✓	

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Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
Field of technology			
Design & layout Others (Moderation and documentation FMEA)	✓	✓	
Functional integration			
Measuring and testing technology			
Modelling and simulation Reliability validation	✓	✓	
Plant construction & automation			
Recycling technologies			
Manufacturing process			
Additive manufacturing			
Coating (surface engineering)			
Fibre composite technology			
Forming			
Joining			
Material property alteration			
Primary forming			
Processing and separating			
Textile technology			

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Overview of lightweighting expertise

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

Contacts

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Managing Director

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