

# Polymer Competence Centre Leoben GmbH

## About this organisation

### Machine translation

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

Polymer Competence Center Leoben GmbH (PCCL) was founded in 2002 and has developed into Austria's leading centre for cooperative research in the field of plastics technology and polymer science in recent years. Together with companies from the plastics industry and universities, around 100 highly qualified employees work on R&D projects for innovative plastics solutions.

With its comprehensive analysis methods, the PCCL is able to systematically support its partners from industry and science in the assessment of the carbon fibre-reinforced polymer composites they use. Depending on the requirements, optical, chemical-analytical, thermal, mechanical and fracture-mechanical test methods can be utilised. In parallel, process and structural simulations complement the experimental investigations. The services offered range from short-term services to more extensive damage analyses and support with component design through to long-term R&D cooperation. In addition, customers are advised on the conceptualisation of R&D projects.

Roseggerstrasse 12  
8700 Leoben  
Austria  
Austria  
[www.pccl.at](http://www.pccl.at)

### Main areas covered

Repair of fibre composites, Structural simulation, Material development

### Infrastructure

### Certifications

### Keywords

### Memberships



### Organisation type

Non-university research institution

### Sectors

No specific sector

### Employees

50 up to 249

### Turnover

€2m - €10m

### Funding

n/a

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Offer</b>			
<b>Products</b> Parts and components	✓		
<b>Services &amp; consulting</b> Testing and trials, Funding, Validation, Simulation	✓		
<b>Field of technology</b>			
<b>Design &amp; layout</b> Hybrid structures	✓		
<b>Functional integration</b> Sensor technology, Material functionalisation	✓		
<b>Measuring and testing technology</b> Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis	✓		
<b>Modelling and simulation</b> Crash behaviour, Loads & stress, Life-cycle analysis, Structural mechanics, Materials, Reliability validation	✓		
<i>Plant construction &amp; factory automation</i>			
<i>Recycling technologies</i>			

## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Manufacturing process</b>			
<b>Additive manufacturing</b> 3D printing, Selective laser sintering (SLS), Stereolithography	✓		
<b>Coating (surface engineering)</b> Plasma process, Sputtering	✓		
<i>Fibre composite technology</i>			
<i>Forming</i>			
<b>Joining</b> Adhesive bonding	✓		
<i>Material property alteration</i>			
<i>Primary forming</i>			
<i>Processing and separating</i>			
<i>Textile technology</i>			

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## Overview of lightweighting expertise

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	Research	Development	Manufacturing & Supply
<b>Material</b>			
<b>Biogenic materials</b> Bioplastics, Biocomposites	✓		
<b>Cellular materials (foam materials)</b> Closed-pore	✓		
<b>Composites</b> Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP), Nanocomposites, Natural fibre reinforced plastics (NFRP), Laminates	✓		
<b>Fibres</b> Glass fibres, Carbon fibres, Natural fibres	✓		
<b>Functional materials</b> Shape memory materials	✓		
<i>Metals</i>			
<b>Plastics</b> Thermoset plastics, Elastomers, Thermoplastics	✓		
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

## Contacts

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Contacts	
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