



# Mechanical Design Eng for Seats

**Workplace:** 550025, Sibiu

Apply online!

## What to expect:

- Create fully constructed 2D and 3D CAD models for all seat variants (1st class, 2nd class, foldable/tip-up, lounge).
- Maintain native CREO models, ensuring accuracy, completeness, and compliance with project interfaces (carbody, C-rail, air duct installation space).
- Ensure CAD models are free of critical errors, including modeling inconsistencies or open solids.
- Design key components including: seat structure & cantilever systems, armrests/handrails, back panels & trims, upholstery, foam, and coverings (trim development).
- Develop kinematics for adjustable and folding mechanisms, ensuring functional chains are validated.
- Apply correct material specifications (e.g., CR780Y980T-CP, CR420LA, CR380LA).
- Design joining solutions using MAG welding, screwing, and adhesive bonding according to relevant standards.

## What you bring along:

- Bachelor's or Master's degree in Mechanical Engineering, Automotive Engineering, Industrial Design, or related field.
- Proven experience in CAD design, ideally using PTC Creo for metal structures and trim parts.
- Knowledge of seat design, railway or automotive interiors, or other safety-critical mechanical systems.
- Strong understanding of:
- Sheet metal design and high-strength steel materials (e.g., CR-series steels).
- Joining technologies (MAG welding, bolting, industrial adhesives) \_ | PowerPoint]
- Kinematic systems, linkages, and movement mechanisms.
- Trim & foam development for upholstery.
- Ability to interpret and apply engineering standards (DIN EN 15085-5, DIN EN 17460).

- Incorporate feedback from prototype builders, customers and series suppliers.
- Participate in technical review rounds led by the OEM.
- Integrate manufacturability insights (mold-flow results, tooling constraints, welding feasibility).

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We create technological solutions for our customers at any stage of the product development process with a focus on hot topics such as digitalization, e-mobility and autonomous systems, largely for the automotive, aerospace and mechanical engineering sectors.

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### What we offer:



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