

ENGINEERING SERVICES

Competent and Flexible Assistance for Mechanical Product and Process Development

Who we are?

Idé-Pro Engineering & Software A/S employs more than 30 competent consultants with engineering expertise covering the arena of mechanical engineering and technology.

We are a member of the Idé-Pro Skive A/S group which ensures access to another 15 competent engineering consultants. We are the hub of an engineering competence network with yet another 10 consultants – all with many years of experience in innovative product development and validation.

In addition, we can assist you with a large pool of experienced and competent off-shore resources from our affiliated sister company in Bangalore, India, which provides engineering competence, and also offering project management in pooling and managing resources from the large engineering offices in their near vicinity and local network.



Why External Engineering Services?

- Our consultants are flexible and can assist at peak loading to ensure the fulfilment of plans and project schedules within deadline.
- Our consultants provide added value to the engineering solution – leveraging constantly updated competences, training and methods.
- We are willing to take full responsibility of the solution to a development- or analysis challenge.

Idé-Pro Engineering & Software A/S:

We assist our customers in solving their technical- and administrative engineering challenges:

- Sales and implementation of Data Management and Engineering Software Solutions, with emphasis on PLM/PDM, Quality Compliance, CAD, CAM, FEM, MBS and CAE, focussing on products from Dassault Systemès.
- Assistance to product development, design, construction, analysis, optimization, and the practical realisation of development and manufacturing projects.
- Our customer base covers a wide range of Denmark's leading companies in design, shaping, electronics, machinery, automotive, aerospace and defence. We are a company in the Idé-Pro Skive group – The leading North European supplier of tooling and injection moulded parts – focusing on prototypes, small- and medium series production.

Standing by to assist You

We are offering our competences as specialist resources in the effective utilization of the state-of-the-art engineering software solutions. The tight integration and interaction with the Idé-Pro Skive A/S group ensures that our engineering competences are founded on a solid platform fulfilling the needs of a modern manufacturing company, based on integrated product development, design for manufacturing, quality assurance, paperless workflow and knowledge management.

Our consultants are born and bred with "lean" principles, complete automation and deployment of global sourcing strategies for knowledge, resources and production.

Our role

Your engineering challenge can be solved by our competent and flexible resources.

We can take the entire assignment, entire responsibility and full project management from A to Z.

Or we can act as manpower, contractors or hired hands under Your instructions, project management and responsibility.

We work at your facilities or in our own offices and prefer a stage-gate project plan. We are constantly trying to harvest the full potential from state-of-the-art technologies and engineering utilities, and from teamwork and cooperation. We believe in simple solutions and we are hardworking and efficient.

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What kind of project

In the sequel you will find some examples:

- Configuration utilities and Knowledgeware for the automation of design- and production processes
- NC-programming and post processing of fixtures and objects for 3/5-axis milling
- Mechanical ideation, concept development and construction of electro mechanical actuators for automotive use
- Analysis and validation of advanced aerospace structures and fuselage in carbon fibre composites, titanium and aluminium
- Sculptural modelling of mechanical enclosures, automotive parts and seating
- Mechanical conceptualization, development, and mechatronics design for household electronics

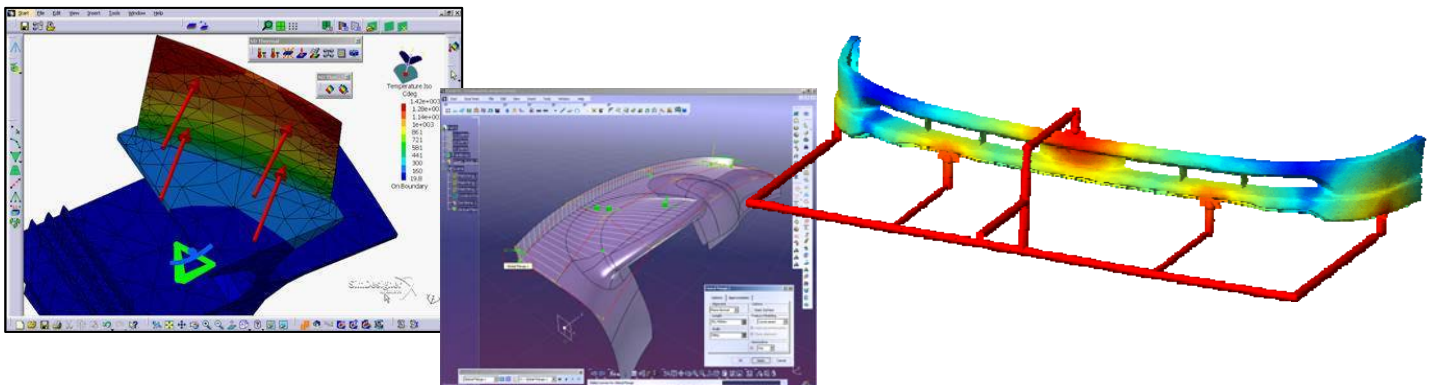
Which tools

We primarily work with the following engineering tools:

- CATIA for product development; (but also Solidworks and Pro/Engineer)
- For analysis: MSC.Software.
- For moldflow simulation: MoldFlow.

Which assignments can we solve (cont)

- Standardisation, method studies and standards
- Education, training and support
- Conceptualization and ideation
- Development, mechanical technology, plastics, stainless, machinery and process plants
- Detailed construction and design
- Mechatronics, casings and enclosures
- Analysis, static, dynamic, stress/strain, fatigue, composites, thermal
- Analysis, mechanisms, kinetics, kinematics, power, forces, moments, accelerations, displacements
- Validation, dimensioning, verification
- Technical evaluation, design for manufacturing
- Product optimization and maturing
- Tools and fixtures
- Construction, automation / macro programming
- Production, FMS, CIM, CAM, automation, robotics
- Intelligent tooling libraries and NC
- Programming, on/offline NC/CAM, postprocessing
- System implementation, integration, and maintenance.



Which assignments can we solve

- Conversion assignments 2D -> 3D
- Conversion assignments from one CAD system to another CAD system
- Documentation, technical marketing
- Documentation, manufacturing (drafting, bill of material, mounting instructions etc.)

Price/value

Please contact us for an estimate or a formal quote. On most occasions it will be more cost effective and provide more value to You if you employ the services of our competent consultants. – In comparison to the expensive and tiring hiring and coaching process for new internal staff – this is in particular true for projects of a temporary nature, for peak loading, or if the project require specialist skills.