



KLGS

**We create from plastics –
we shape the future**



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Who we are



We are a manufacturer and supplier of technical and structural plastic components.

We have over 40 years of experience in plastics processing.

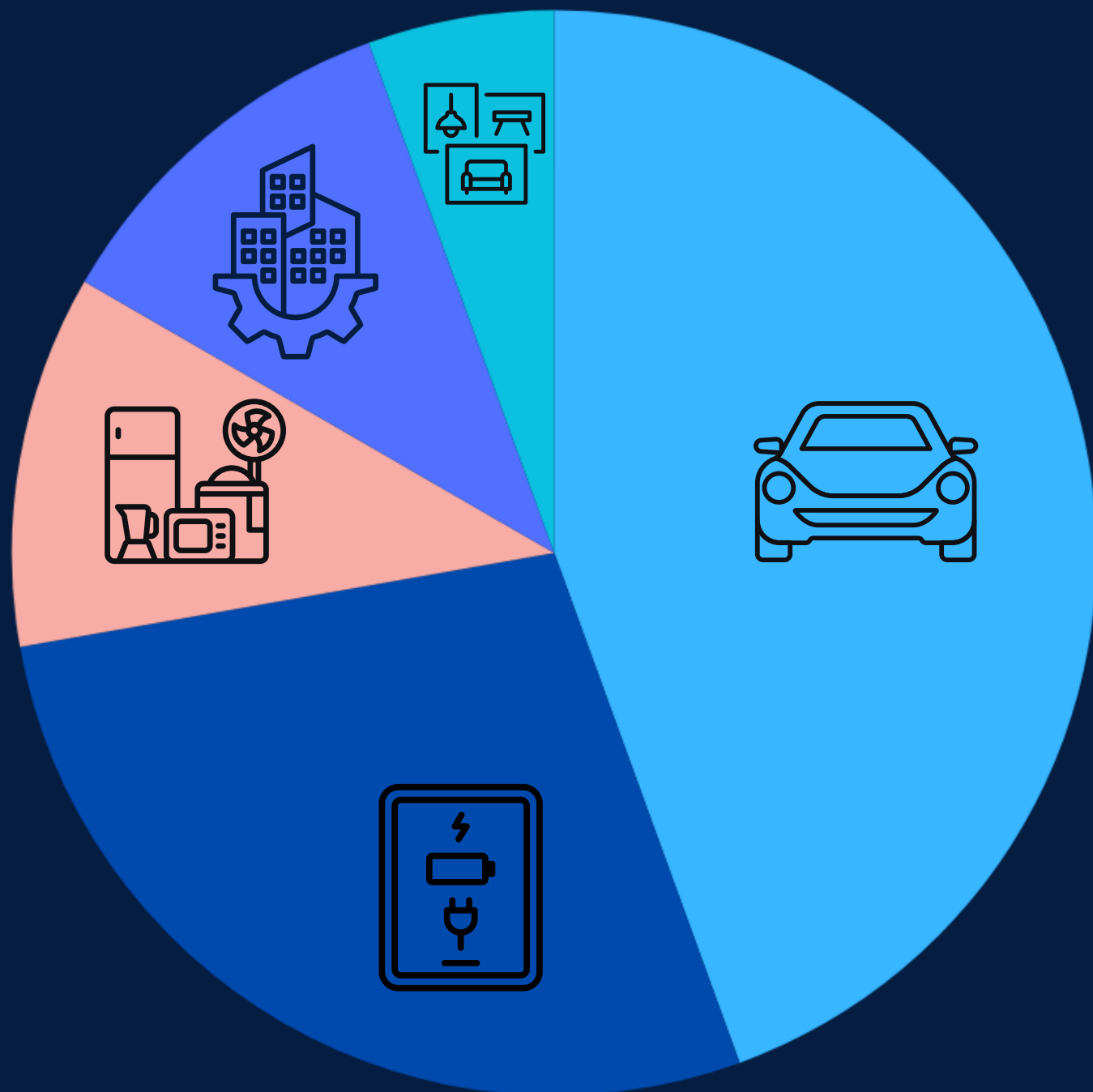


Who we are

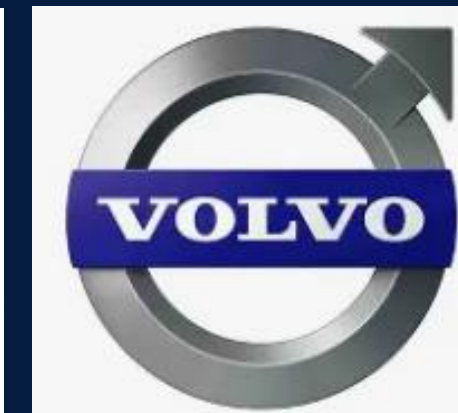


For years, we have been supplying plastic components to many industrial sectors.

Our solutions are used in products of global brands.



Our solutions are used in products of global brands.



Why us?



We produce exactly the components you need.



Comprehensive service

Small and large production series

Quality and precision

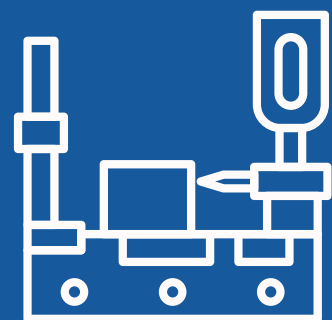
140



3000m2

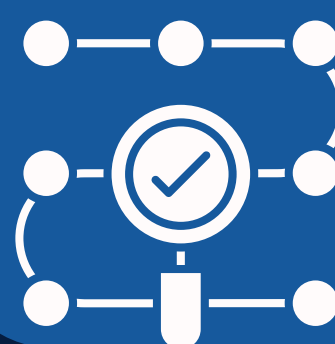


24



=

END TO END
PROCESS



50



25

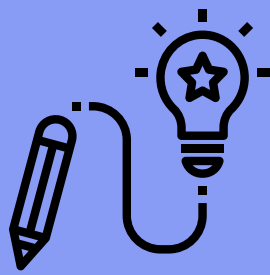


Comprehensive process service



You have an idea – we take care of the rest

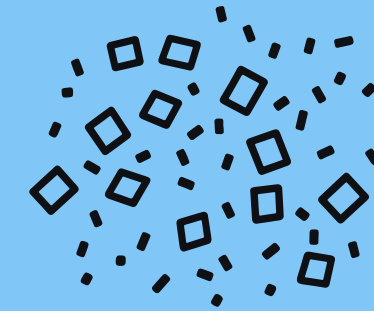
Design



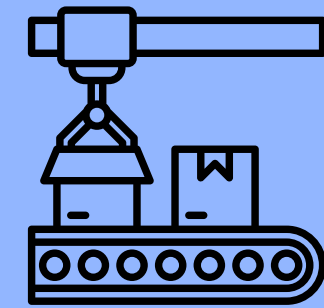
Analysis



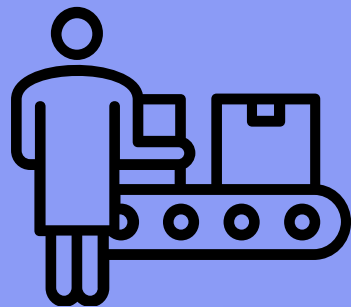
Material



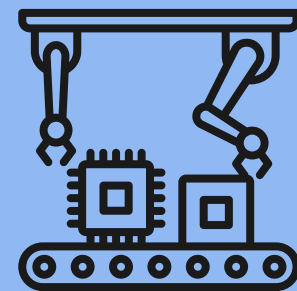
Tooling



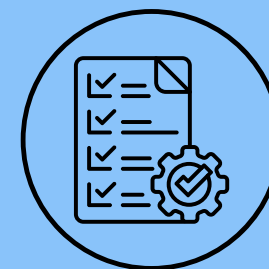
Production



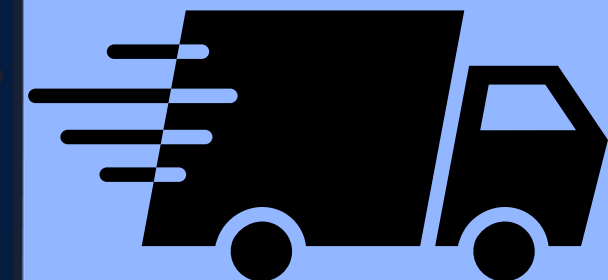
Assembly



Quality Control



Shipping



Comprehensive process service

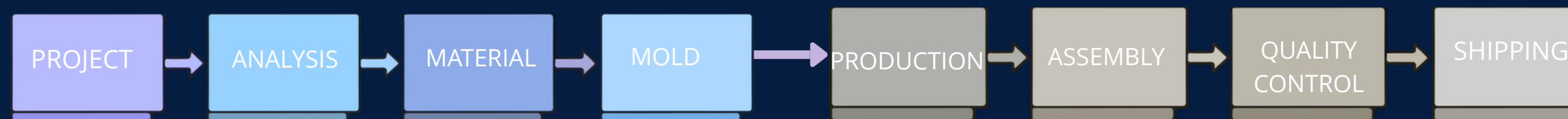
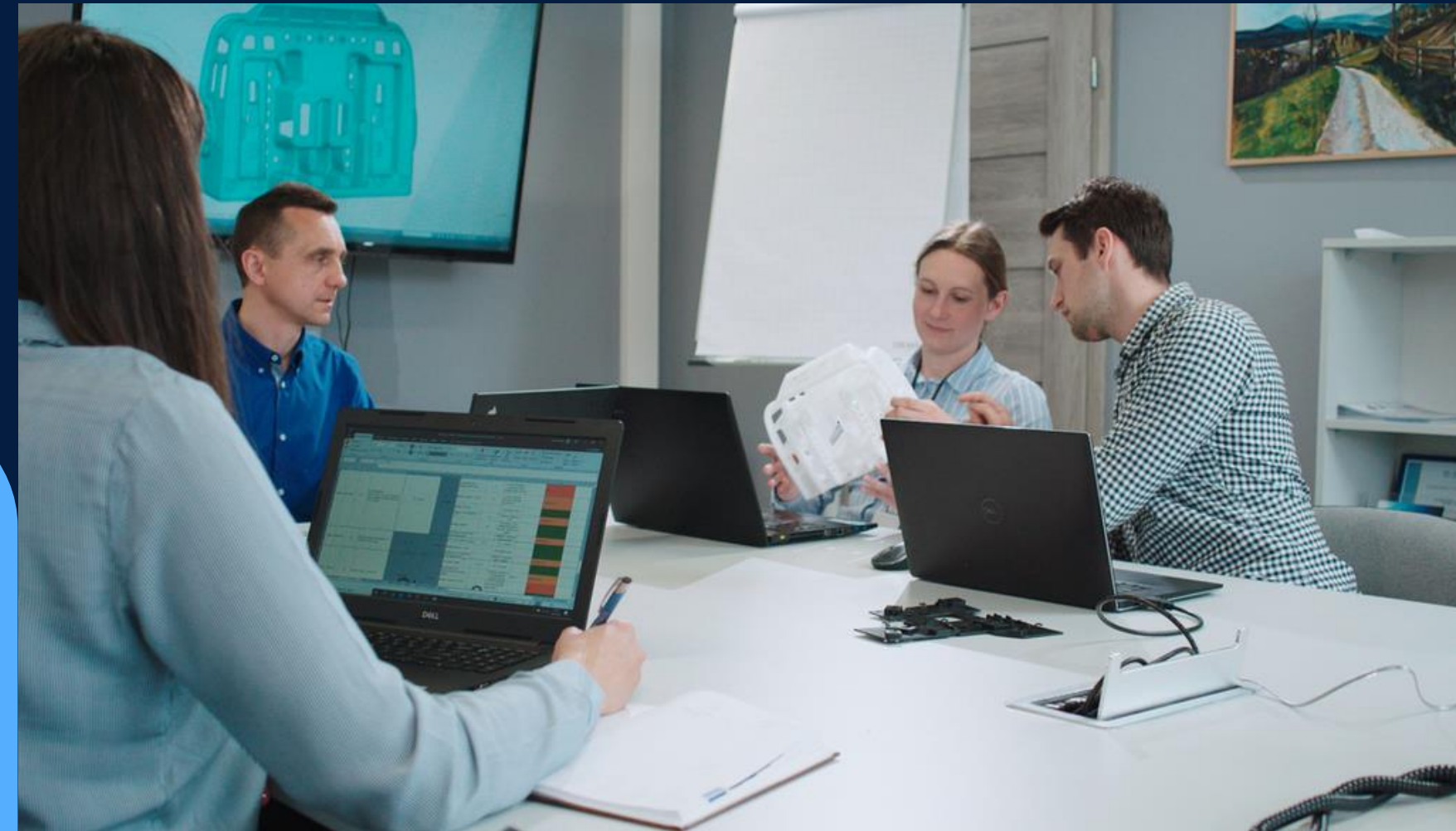
You have an idea – we take care of the rest



Comprehensive project execution – from concept to delivery.
For customers with various requirements.
For small and large series.
With one responsibility – KLGS

Why does it work?

- flexibility for both small and large volumes
- adaptation to individual customer requirements
- one center of responsibility (including assembly, cooperation, logistics) = less risk for the customer



Comprehensive process service

Analysis

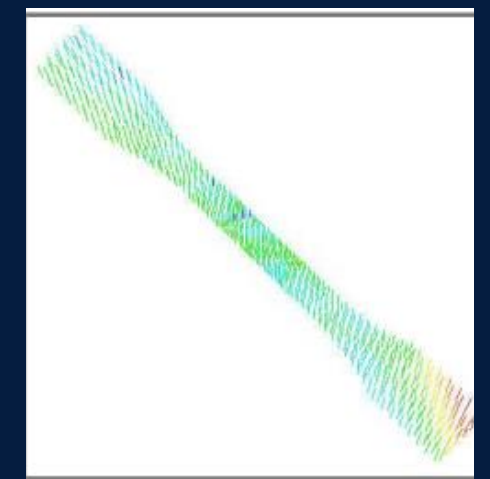
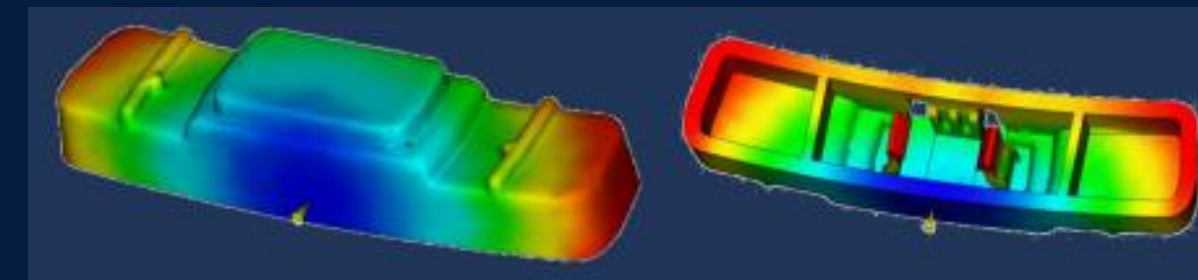


At KLGS, we design consciously – based on simulations. We prepare comprehensive analyses even before production begin.

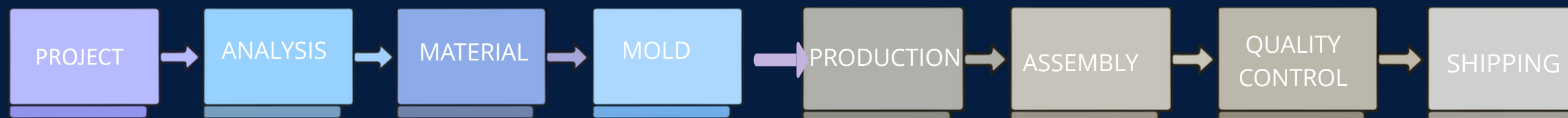
Strength, thermal, and flow analyses in ANSYS
Injection molding simulations in Moldex3D

Thanks to simulations, we can:

- predict product behavior before production
- identify potential issues (deformation, stress, defects)
 - optimize design and process parameters
- reduce prototyping costs and implementation time
- determine product lifetime and safe operation cycles
- **reduce operational risks throughout the product lifecycle**
- **support sustainable production (CO₂ reduction, material savings)**



Fewer trials. More certainty. Better part from the first time.



Comprehensive process service

MATERIAL



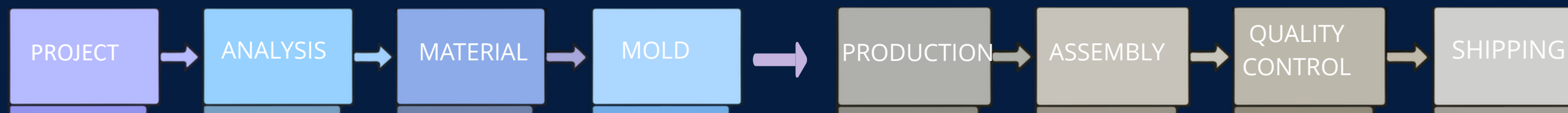
We select the most suitable material for customer requirements.

Customer benefits:

- reliable and predictable production
 - time and cost savings
 - increased strength and durability
- material perfectly matched to application

How we do it:

- testing on sample plates
- low carbon footprint materials
- bio and eco materials
- cooperation with universities and research institutions
- preparation for recycling and CO₂ requirements
- material data transparency



Comprehensive process service



MOLD We design and manufacture injection molds.

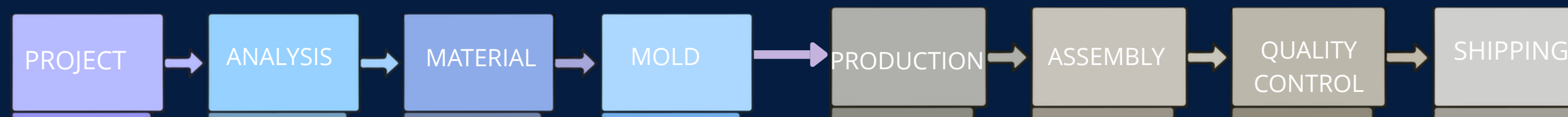
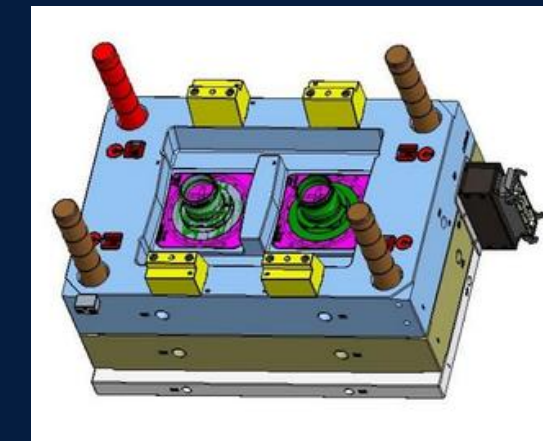
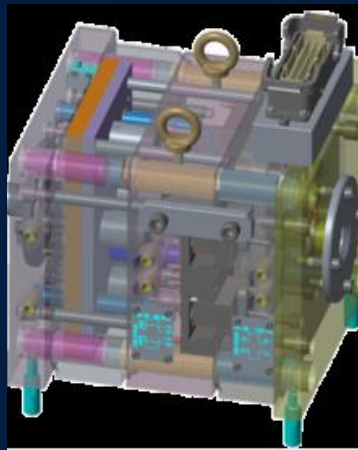
We provide full mold implementation – from design to production launch.

Capabilities:

- mold design tailored to product and process
 - in-house tool shop
- optimization for durability, repeatability, and cost
 - engineering expertise
- optimization for small series and low-scale production

Knowledge base:

- cooperation with top universities (AGH, Krakow University of Technology)
 - access to latest research
- continuous tooling development



Comprehensive process service

Production



At KLGS, we carry out production based on modern technologies, stable processes, and full quality control.

Capabilities:

- small and large production runs
 - high-precision components
- stable and repeatable processes
 - fast implementation
- prototype and low-scale production

How we work:

Tool → Production → Control → Finished part

- optimized process parameters
- continuous quality supervision
- time and cost efficiency

24 injection machines:

35 T horizontal – 1x
50 T horizontal – 2x
60 T horizontal – 1x
100 T horizontal – 5x
110 T horizontal – 2x
125 T horizontal – 2x
130 T vertical – 1x
130 T horizontal + 2K – 1x
150 T horizontal – 4x
200 T horizontal – 3x
220 T horizontal – 1x
280 T horizontal – 1x



Comprehensive process service

Production



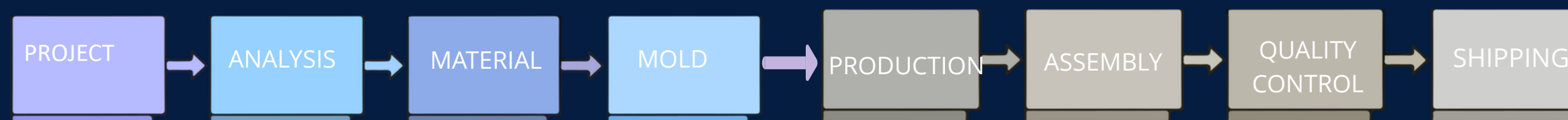
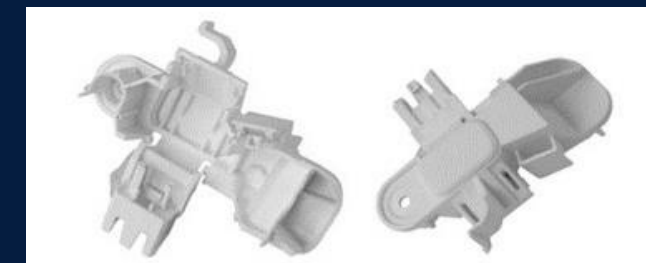
We produce advanced plastic components tailored to various technologies and requirements

Capabilities:

- hybrid and smart components
- thin- and thick-walled parts
- tight tolerance components
 - eco and bio-based parts
- decorated and assembled parts
- spare parts production

We deliver solutions tailored to your technical and business needs.

You have an idea – we implement it!



Comprehensive process service

Assembly



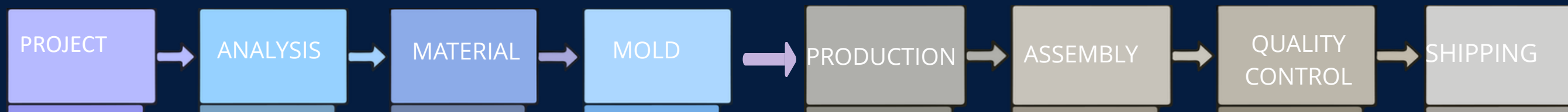
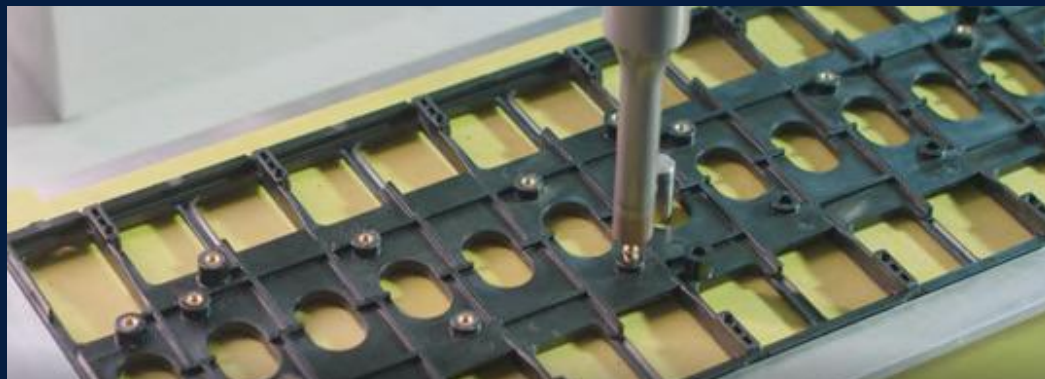
We offer comprehensive assembly, joining, and finishing services.

Capabilities:

- bonding plastic parts
- welding (ultrasonic, hot)
- assembly of components and subassemblies
- decoration and marking
- integration of purchased components
- module assembly

Customer value:

- ready-to-use product
- time and logistics cost savings
 - consistent quality
 - one responsible partner
- no need for own assembly infrastructure



Comprehensive process service

Quality control



Quality under control at every stage.

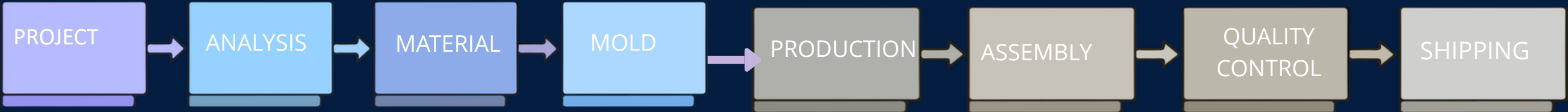
We control the entire process:

from raw material → production → assembly → finished product

- compliance with requirements
- process stability and repeatability
- risk and defect reduction
- reliable product delivery

Result:

- confidence
- reliability
- quality supporting customer success



Comprehensive process service

Laboratory



We have a fully equipped measurement laboratory

Capabilities:

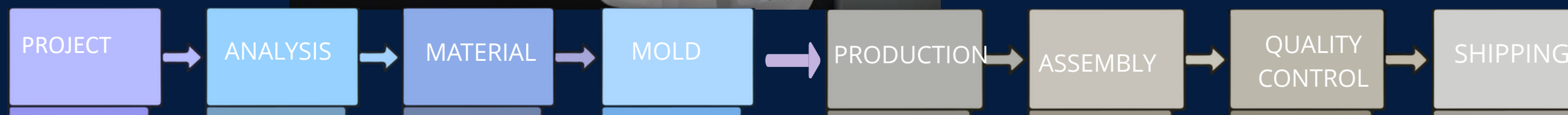
- dimensional and geometric measurements
 - compliance verification
 - process stability analysis
- measurement documentation
 - validation support

Customer benefits:

- full quality assurance
- quick response to deviations
- reduced complaint risk
- transparency



Equipment includes: microscope, moisture analyzer, mechanical testing equipment, spectrometer, 3D measuring machines, GOM 3D scanner



Comprehensive process service

Why us?



One partner. Full responsibility. Proven process.
We provide full project execution – from idea to delivery.

What sets us apart:

- flexible scale (from single parts to mass production)
 - end-to-end model
- flexibility for all production volumes
 - stable processes and high quality
- reduced risk, cost, and implementation time

Customer result:

- fewer trials
- higher predictability
- safe project execution
- safe implementation even at low volumes

We invite you to cooperate!