

KARFIDOV L A B
ENGINEERING DESIGN COMPANY

KARFIDOV LAB

Full-cycle engineering company.

Services in the field of product design and development

Services:

User centered Industrial Design ;

Development of equipment, products and devices « turnkey » ;

Development of housing and mechanical structures ;

Printed circuit boards and electronic components development ;

Structural optimization, engineering consulting ;

Development of design documentation and blueprints ;

The industrial we serve:

Marine engineering ; Industrial equipment ; Instrument making ;

Consumer goods ; Medical equipment ; Robotics ; Electronics ;

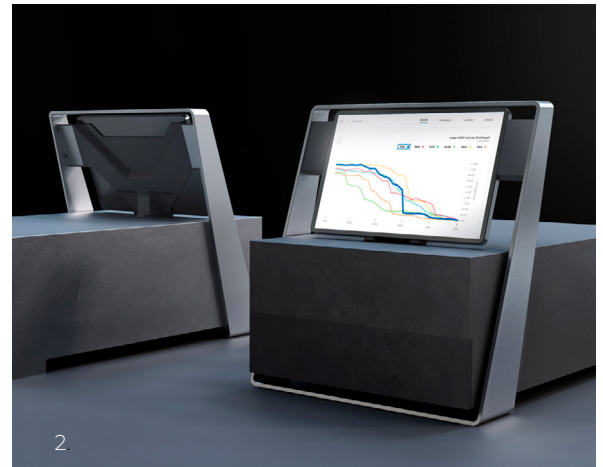
Civil aviation ; Drones ; Ground transportation ; Armed forces ;

Communication, internet ; City infrastructure ; Radio electronics ;

Science ;

Projects:

1. Drone recharging system
2. Device for medical diagnostics
3. Helmet Nible



5 REASON TO CHOOSE US

1. User oriented design .

When creating a product, we take into account what is especially important to the potential user, what meets his needs and desires.

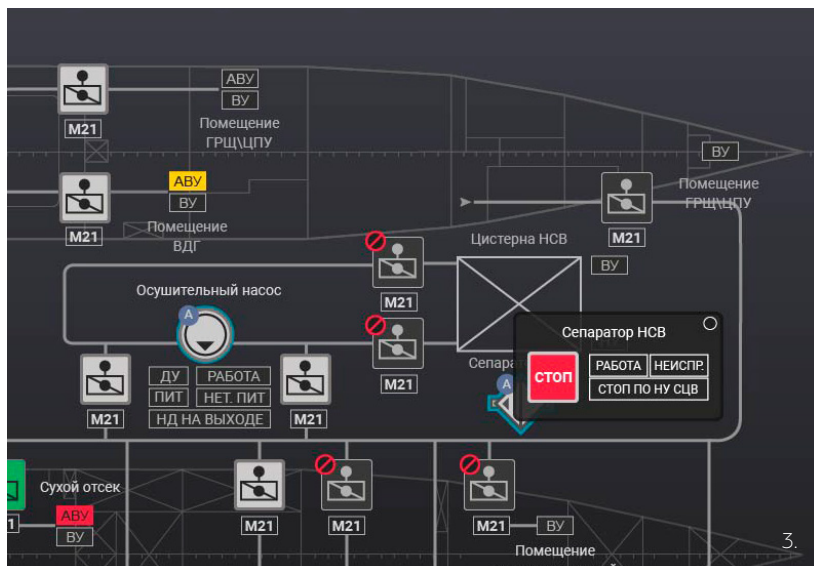
2. Using the experience of implemented projects from completely different areas, we have the opportunity to choose a variety of approaches and offer the best solutions that meet the most complex customer needs.

3. Product from scratch.

We are able to take the product at any of its stages and bring it to the serial production. Deep multiarea engineering work for complex system.

4. Consultations. We not only create the product, but also act as experts advising our clients.

5. We not only accompany, but finalize and adapt the documentation on the fly for a specific production.



FORM AND MATTER

We are proud of every customer who has come to realize the need to develop a modern product design.

Using different approaches, we give the product a meaning and content. Every product leaving our company attracts the media and market attention it deserves.

Working on the form of the product brings us pleasure. Aside from main project goals, we always try to exceed expectations by creating an «additional benefit» due to our own high requirements for the product, seeking to optimize the production cost of the prototype, improving ergonomics, or discovering its new purpose in the process of work.

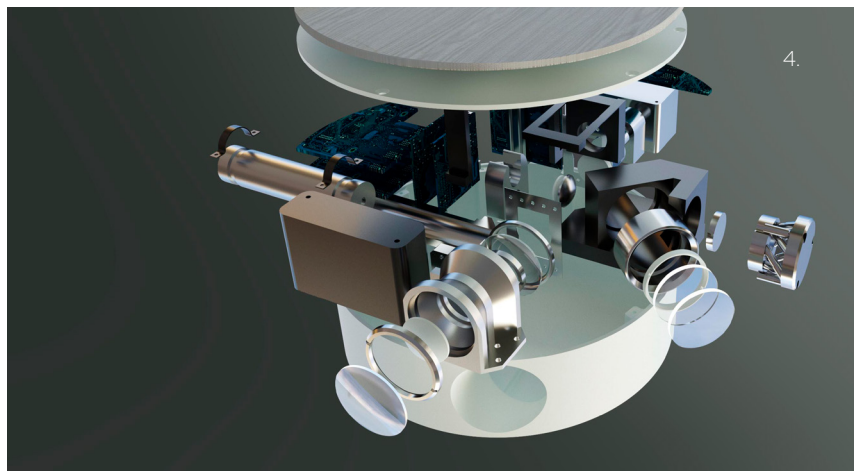
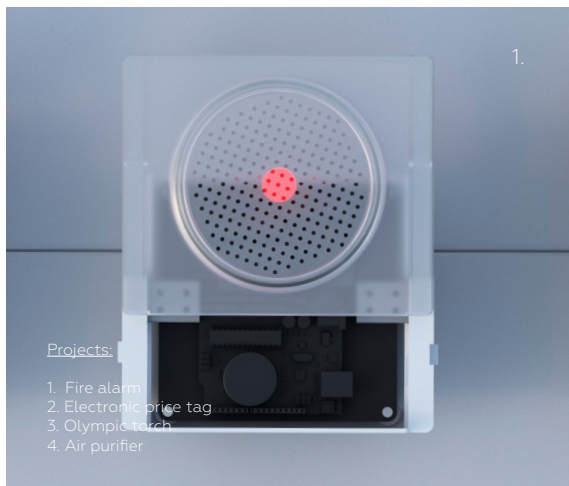


ENGINEERING CONSULTING

We solve the most unconventional tasks in the field of engineering, manufacturing technology and assembly of the product, Cutting edge techniques used in one industry are often can be applied in others. Serving broad range of industries brings us multidisciplinary knowledge.

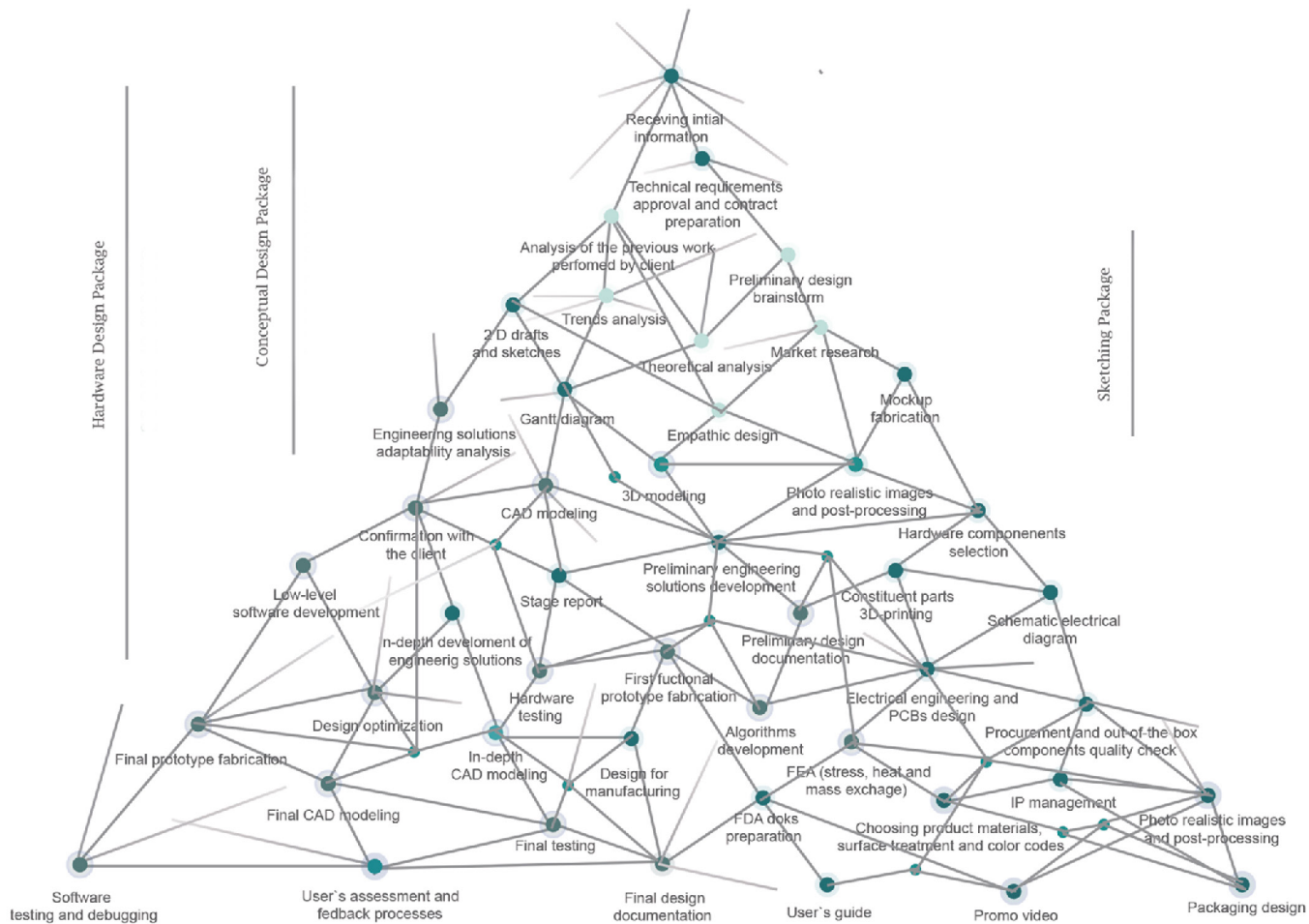


ExoChair



PRODUCT DEVELOPMENT MAP

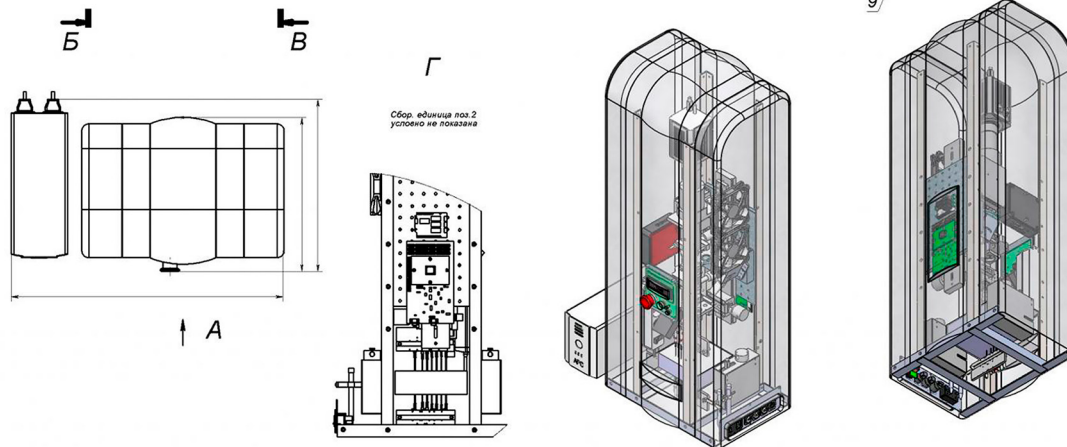
In a very demanding environment, we help our clients initiate, implement and execute complex industrial project, providing reliable solutions and tools to deal with environmental challenges and help our client's to be more efficient with trusted and successful image and business performance.



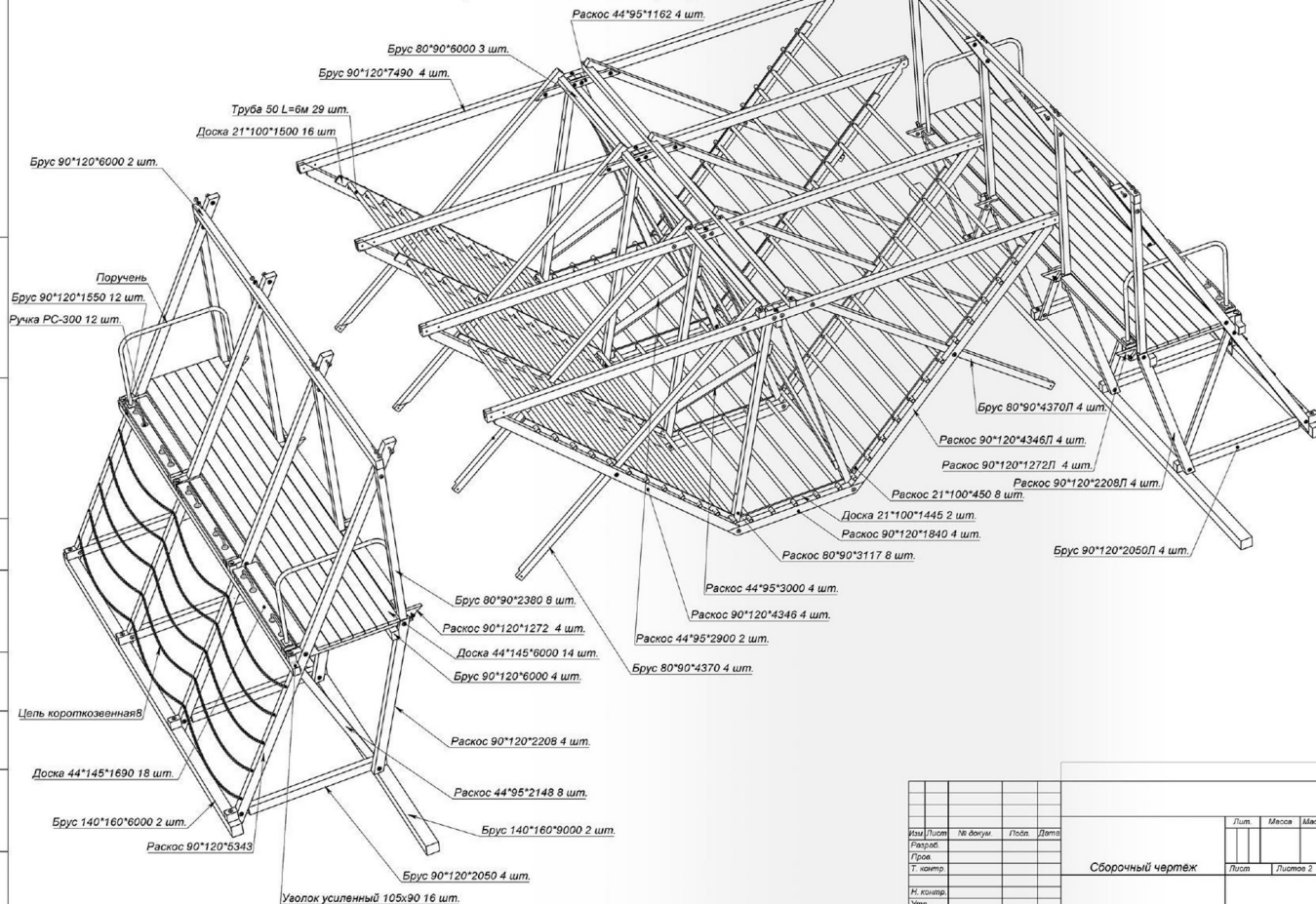
DESIGN DOCUMENTATION FOR PRODUCTION

Reverse engineering is one of the necessary processes to restore documentation and upgrade the product. Having direct access to the product, we recreate its geometry with the highest precision.

No matter what you have, drawings by hand, 3d model, or product, we can develop a complete set of documentation for production that meets all the requirements.



Рукоход наклонный
Вид в разнесенном состоянии (1:25)



Изм.	Лист	№ докум.	Подп.	Дат.	Лист	Масса	Масштаб
Разраб.							
Проект							
Т. контр.							
И. контр.							
Утв.							

Сборочный чертёж

Лист 1

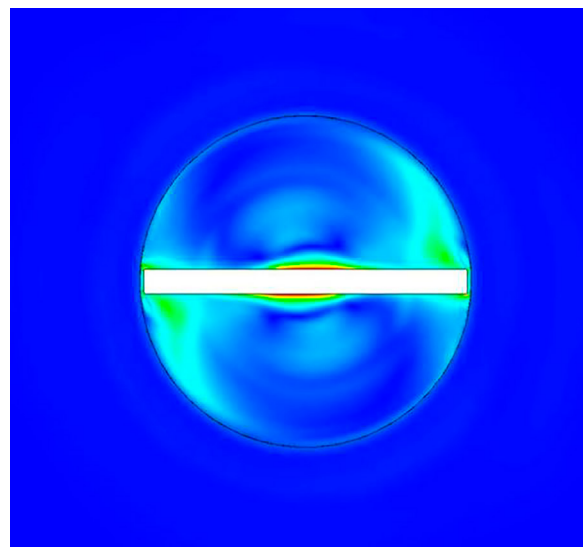
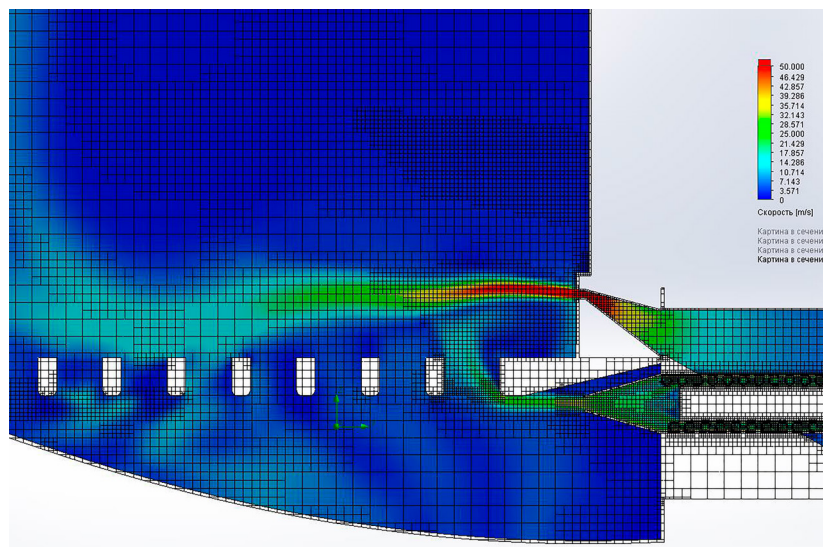
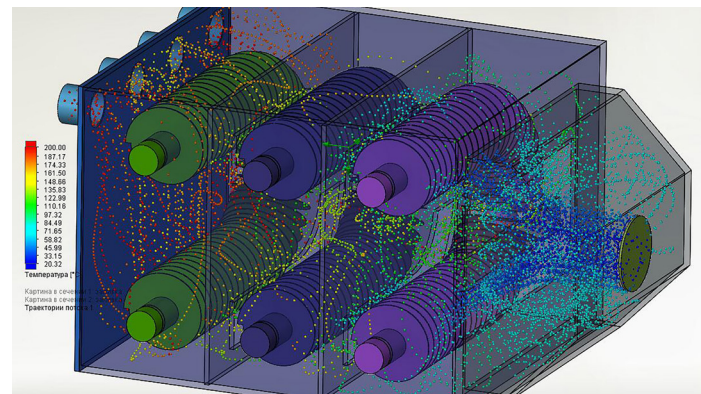
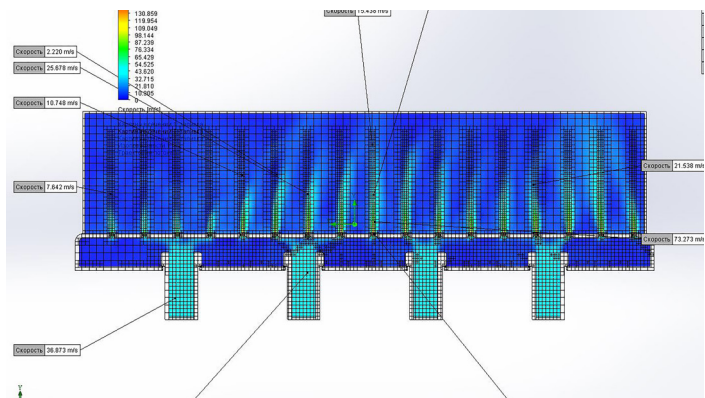
Листов 2

ENGINEERING ANALYSIS

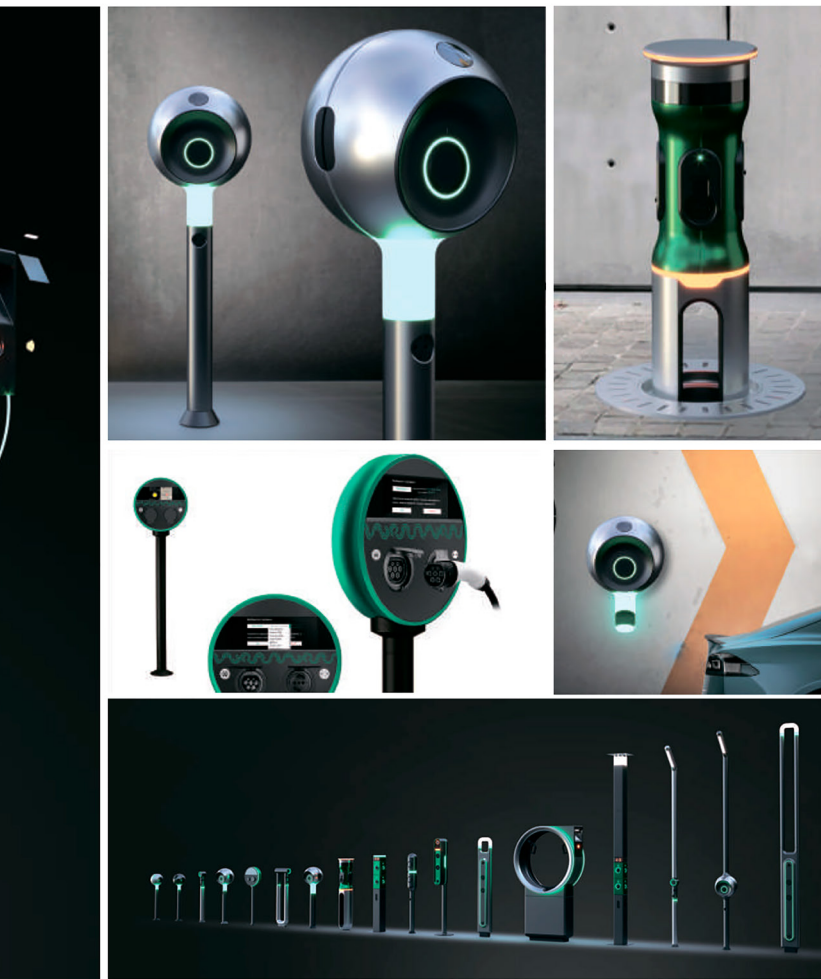
One of our company's work directions is engineering analysis. Our experts calculate the strength of already existing structures and determine their ability to function in specific conditions. Proposed recommendations for the product optimization are then implemented. This may concern not only the engineering product itself, but also the external processes under which the structure operates.

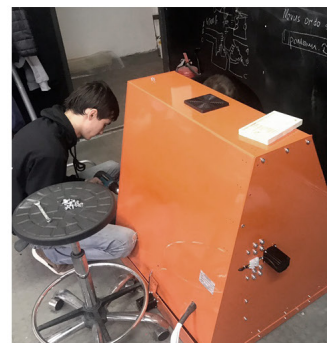
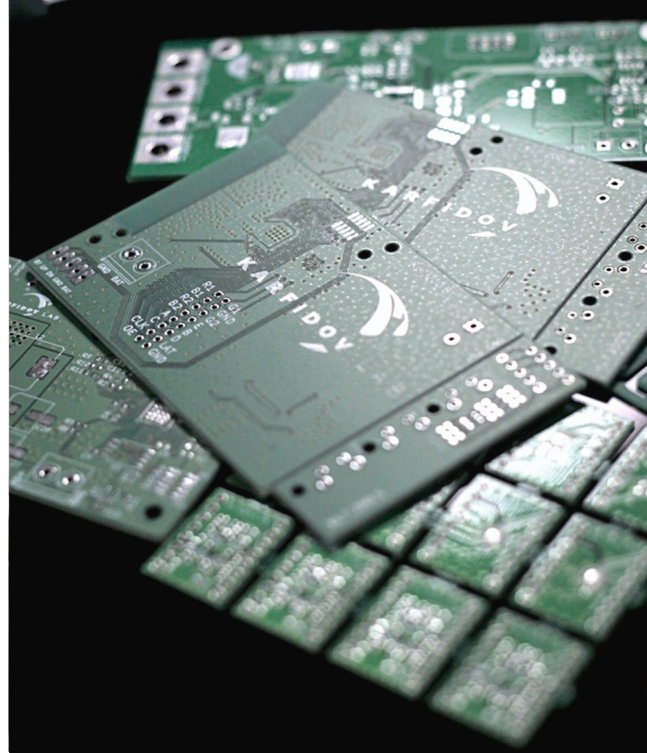
Calculations of strength, determination of stability degree, determination of ultimate impact loads, heat distribution and thermal conduction analysis, investigation of vibrational loads are most often carried out during an engineering analysis.

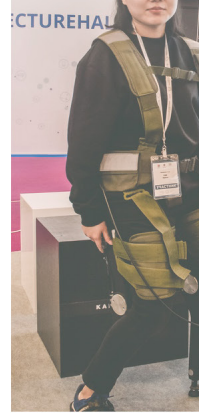
Engineering analysis can be carried out in any of the technical fields.











KARFIDOV LAB

"Karfidov Lab" is a full-cycle design studio, on the market since 2014.

We offer services in the design and development of industrial products.

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