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TERMOVENT

A company of Arbonia Group
ARBONIA 

INTRODUCTION

As a company we are devoted to creating ideal work environments with minimal expenses and to developing products that can satisfy even the most rigorous of quality and energy efficiency standards. Through compliance with sustainable development principles, our efforts are aimed at Termovent's future evolution.

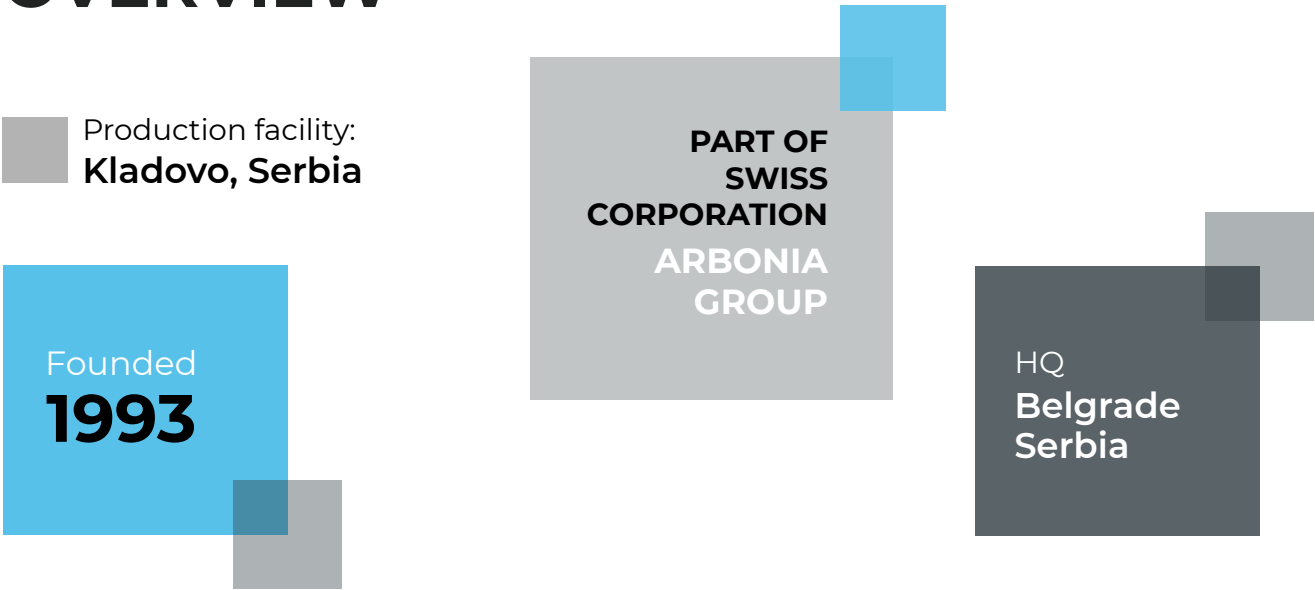
Cleanroom is an environment that has a controlled level of contamination that is specified by the number of particles per cubic meter for the appropriate particle size.

Termovent specializes in production of modular panel systems, which are used in the field of cleanroom technology.

The whole system is aligned with GMP and FDA directives, as well as ISO 14644 standard. Compliance with applicable regulations in the field of cleanroom technology enables its use in rooms from ISO 9 to ISO 1 class (GMP classes A, B, C and D).



OVERVIEW

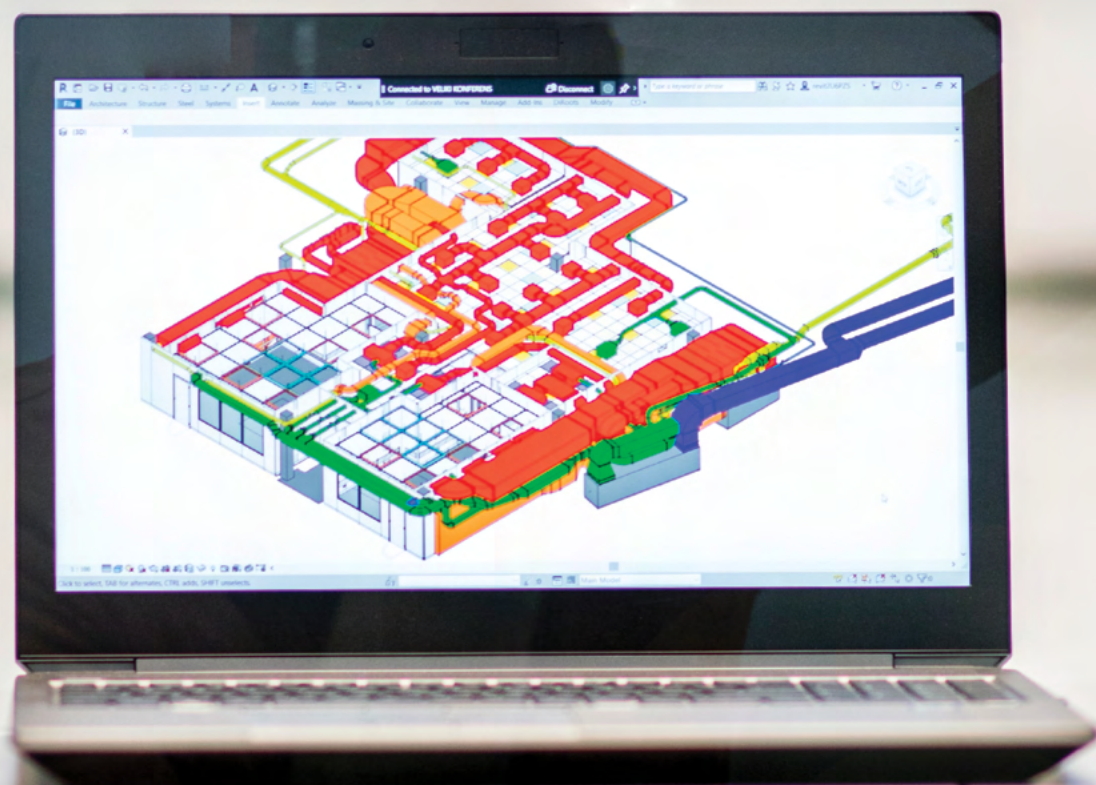


Modular component systems are easily integrated with all other systems. By combining a variety of materials in panel production for cleanrooms, Termovent company offers a vast range of use in:

- Pharmaceutical industry,
- Micro-electronics,
- Chemical industry,
- Food industry,
- Health facilities,
- Laboratories etc.

A team of young experts that is responsible for cleanrooms development consists of a group of people that participated in international competitions throughout Europe and Asia, and with their experience, hard work and devotion they are responsible for the great satisfaction of our partners.

Through the pursuit of modernization and contemporaneous business, the entire production and design system is based on automation and BiM design.



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MODULAR CLEANROOM SOLUTION

OVERVIEW

Termovent **modular cleanroom solution** can fully respond to client needs

Modular
prefabrication
happens in our
facilities

Fast track projects
and **parallel**
construction
where work
method is **design**
and **build**

Within this
technology, we can
provide **instant**
solutions

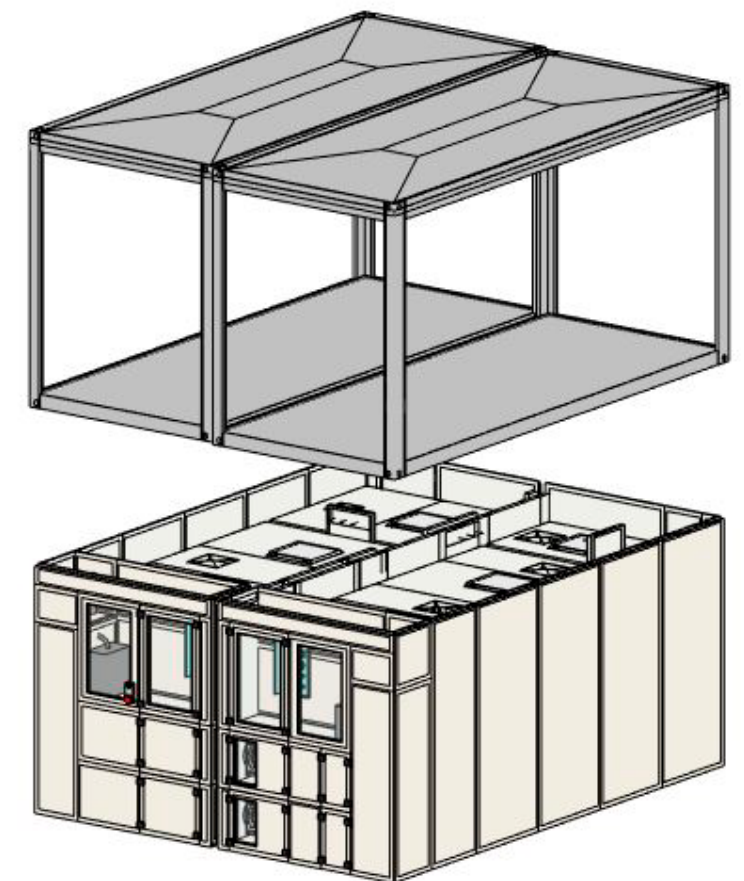
Termovent modular
solution represent a
product with all
long-term engineering
knowledge based in
cleanroom industry

Termovent modular cleanroom is **prefabricated solution** with following characteristics:

1. Manufactured in controlled environment
2. Assembled and commissioned in our factory, before shipping
3. Supported with optimized steel structure in various sizes
4. Short commissioning period after delivery, because modules were already factory commissioned
5. Validated by ISO 14644-4

MODULAR INSTALATION

Modular cleanroom will be consisted of **as many modules needed** which will be equipped with installation and equipment to **achieve cleanroom parameters** for various needs



BENEFITS OF MODULAR CLEANROOM

A modular cleanroom is an easy way to achieve **cleanroom parameters**, with fast commissioning and more **time saving** than traditional solution



PREFABRICATED SOLUTION

Produced in factory, in **controlled environment** and process. Pre commissioned, pre-qualified in factory, where **all defects are resolved**

LESS POSSIBILITIES FOR MISTAKES

Through BIM modeling, we design in detail a **virtual replica** of the client’s module

FAST AND EASY EXECUTION

Short period of commissioning, because **pre commissioning already happened** parallel to construction of the building

PLUG AND PLAY

Find a place, provide electricity, water and sewage connections and production can start

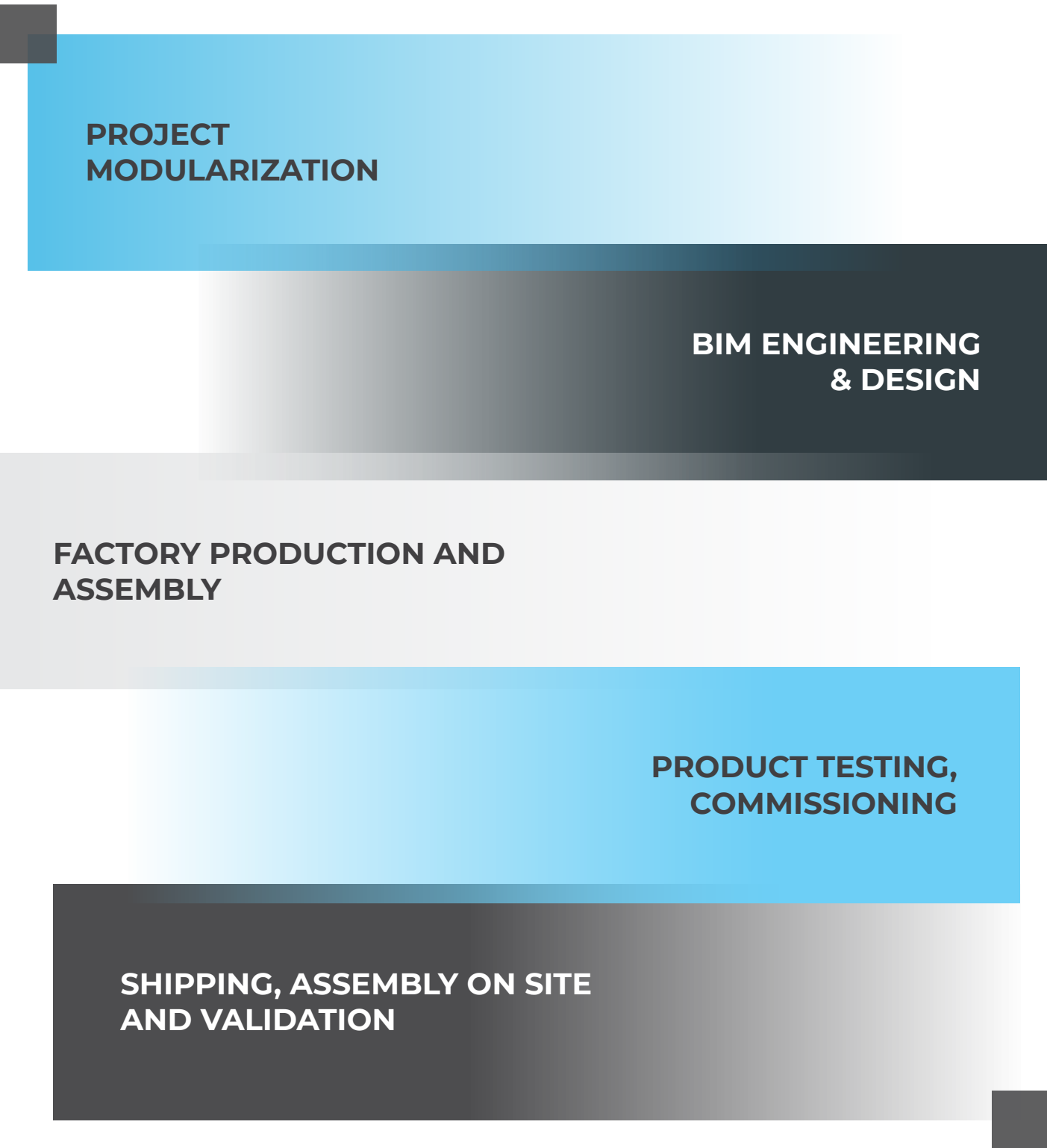
TIME SAVING

While client is constructing the building, **module assembly** is happening in **our factory**, which saves client’s time

EASY TO MAINTAIN

All equipment is placed in the area behind the cleanrooms and is easily accesible

PROJECT EXECUTION STEPS



PROJECT EXECUTION STEPS

PROJECT MODULARIZATION

We are able to modularize your layout & already **start with the project** while your building is **under construction**.

Before start of the project, **our team will go on site**, to make sure modules will fit with construction.



FACTORY PRODUCTION AND

Within our **production facility** and **4.0 industry technology**, we have manufacturing and assembling capacities for the **whole solution** we are providing for you.



PRODUCT TESTING, COMMISSIONING

Before production, we are making sure that products we are delivering **are tested & providing parameters you need**.



BIM ENGINEERING & DESIGN

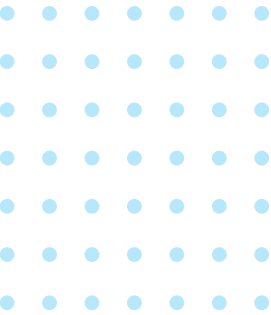
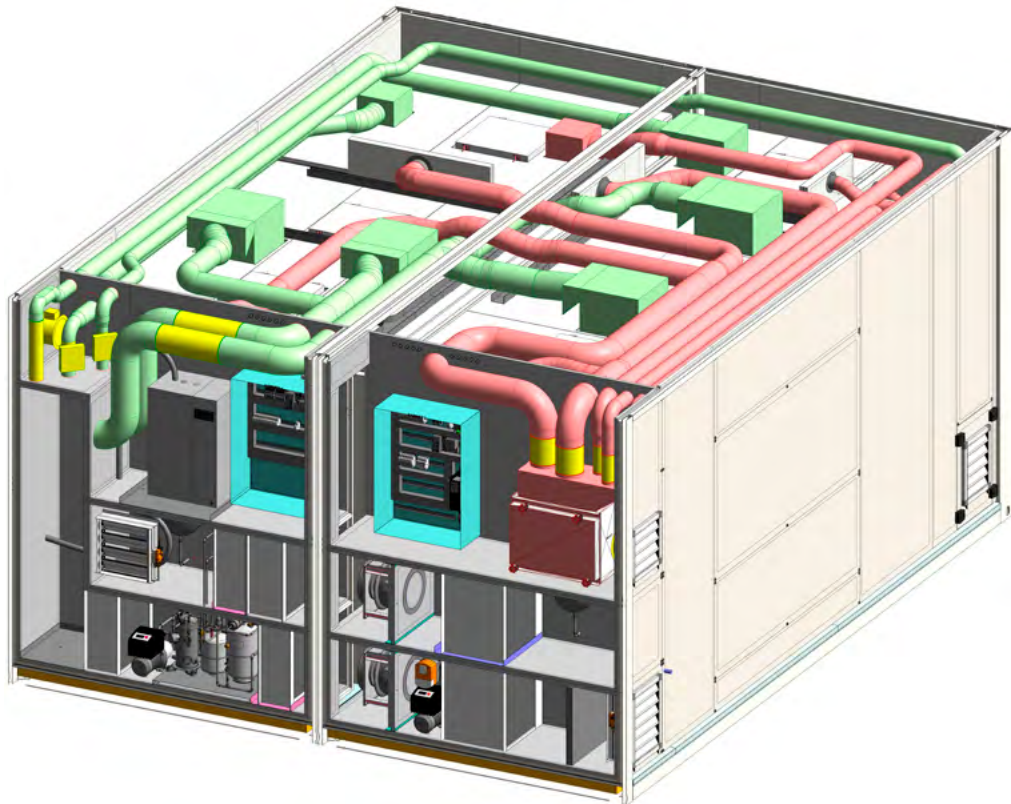
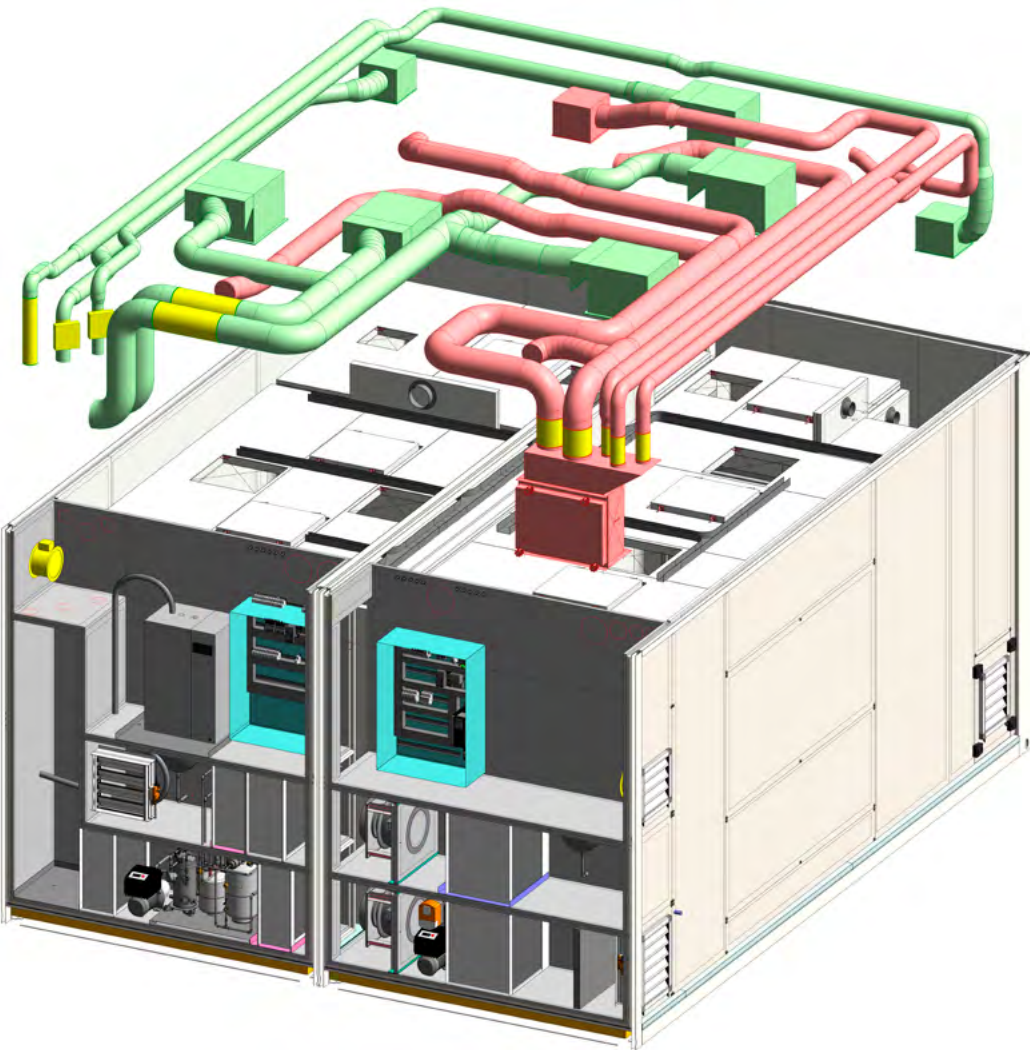
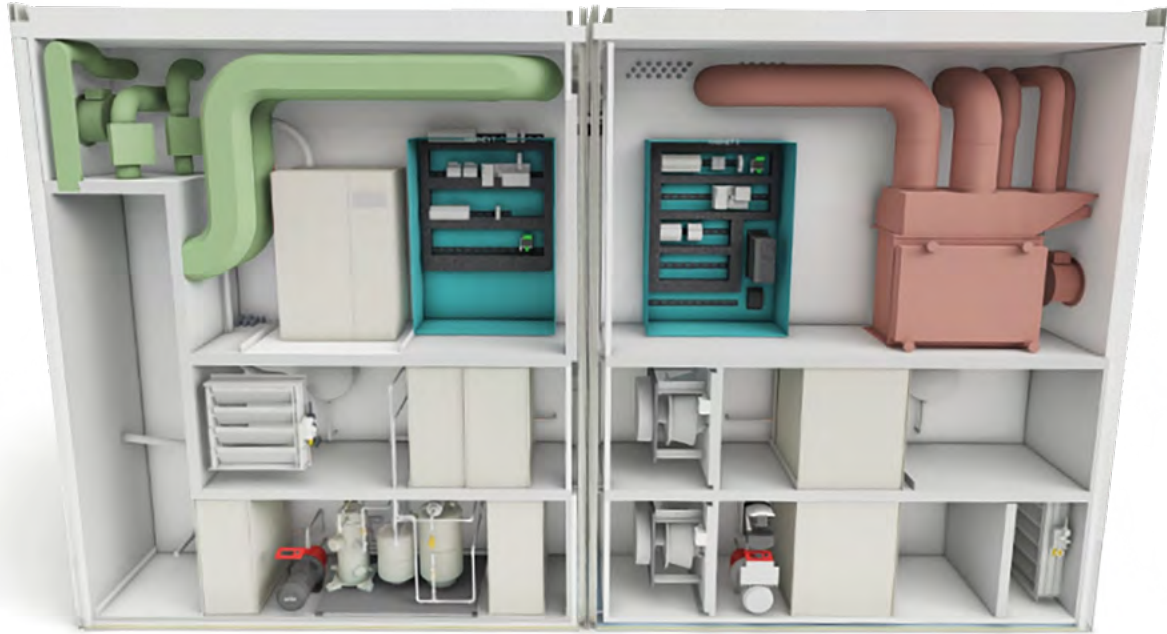
With our experience in **BIM engineering**, we can design cleanroom solution **tailor made for your needs**.



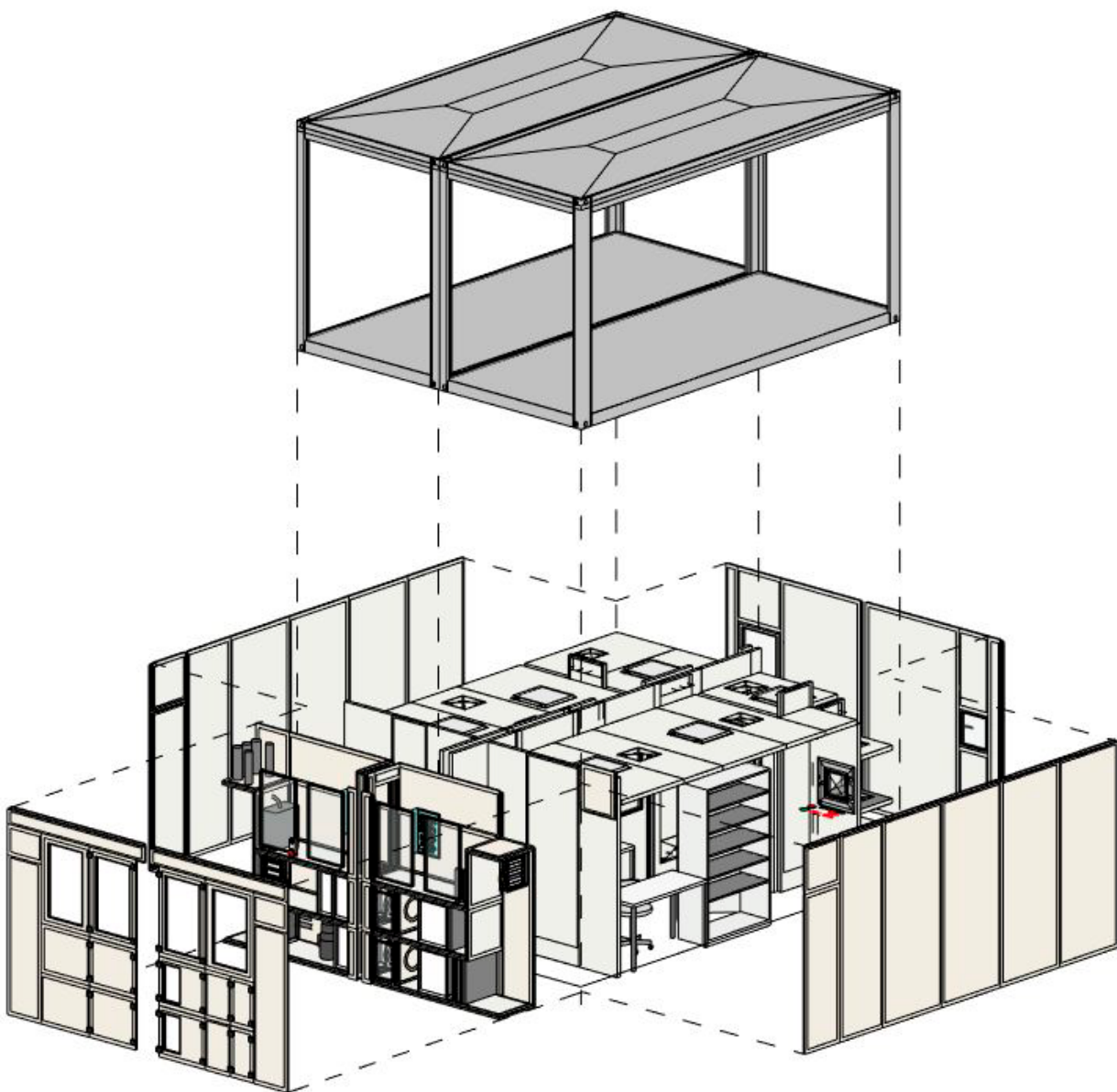
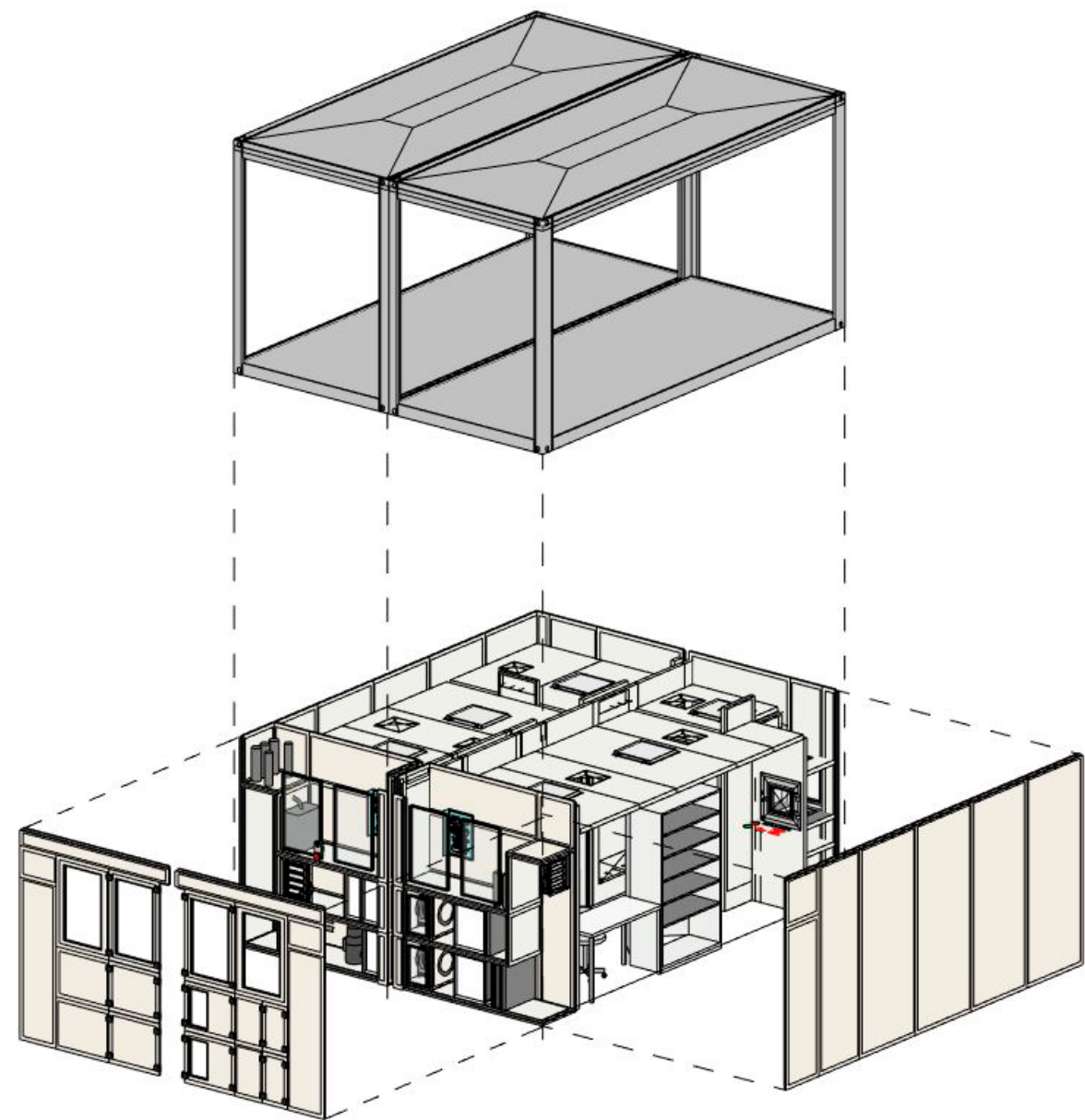
SHIPPING, ASSEMBLY ON SITE, VALIDATION

Final step is shipping and **assembly on the site**, with **validation services** included in the whole package of our offer.

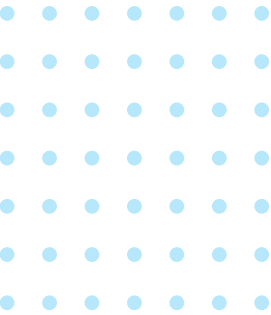
MODULAR
PREFABRICATED SOLUTION
IN CLEANROOM



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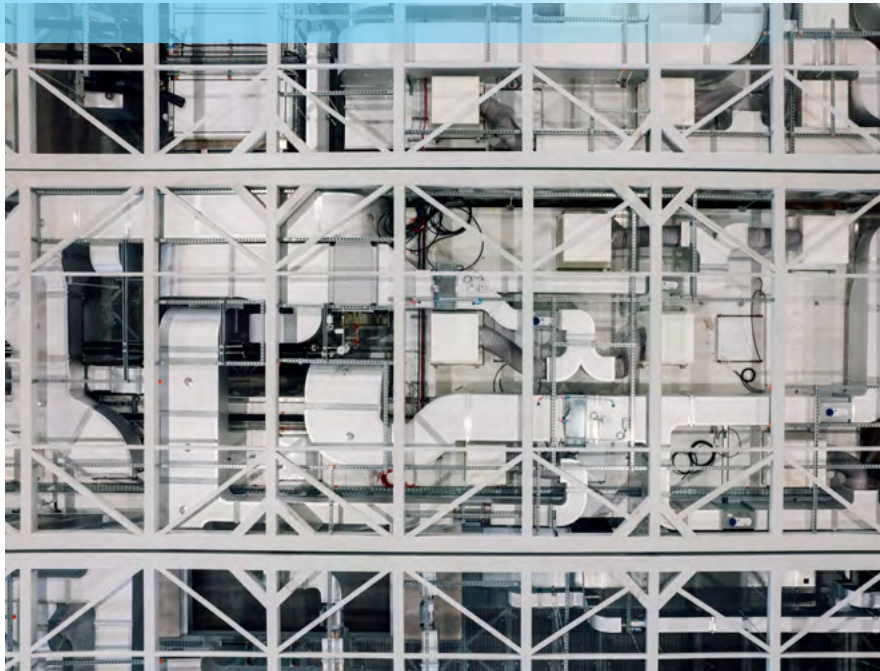
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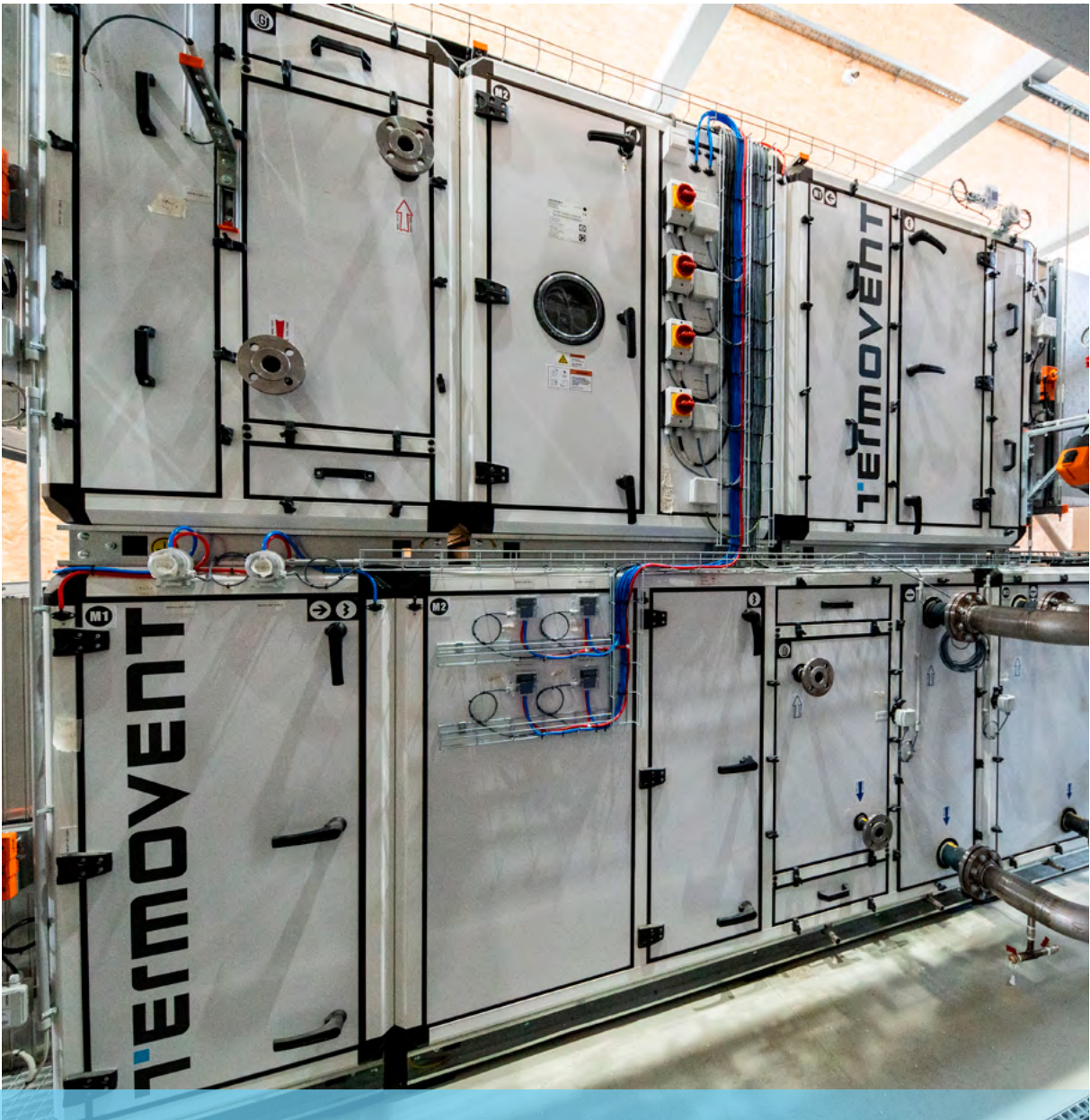
PRODUCTION OF TERMOVENT MODULAR CLEANROOMS



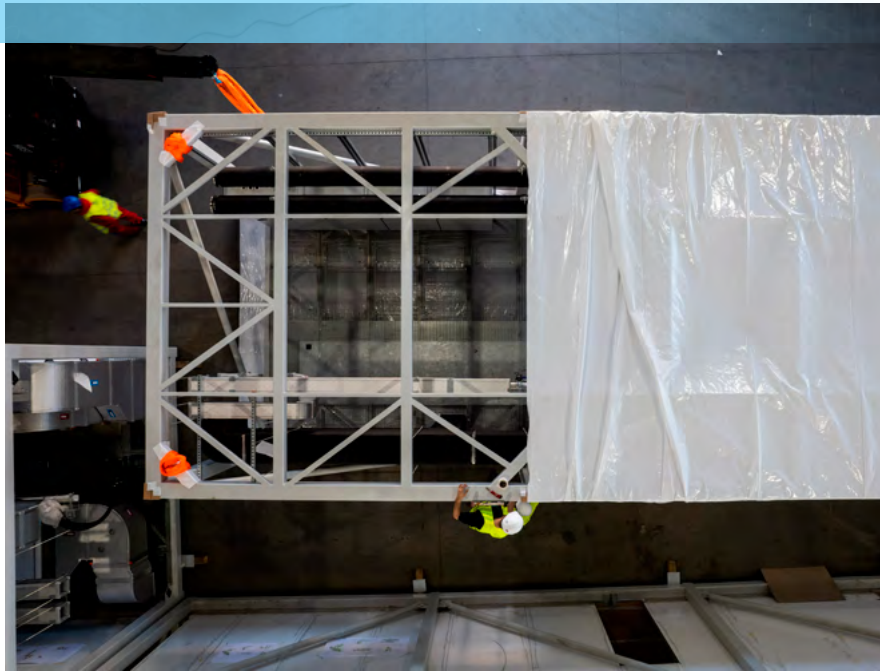
The value in the modular cleanroom approach to facility design and build lies within its ability to execute a **project faster**, more **efficiently**, and with **low risk**.



PRODUCTION OF TERMOVENT
MODULAR CLEANROOMS



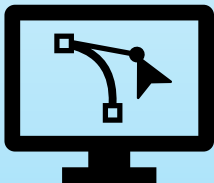
PRODUCTION OF TERMOVENT MODULAR CLEANROOMS



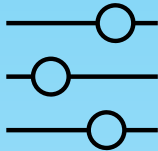
WHAT CAN WE DO FOR YOU

We can provide **complete modular cleanroom solution**, including:

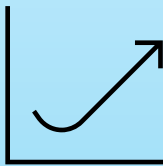
- HVAC
- Cleanrooms
- Electrical cabinets
- Cabling
- BMS
- BME
- Process piping
- Steel structure
- Black utility
- Flooring



MODULARIZATION OF YOUR LAYOUT



FLEXIBILITY WITH YOUR CLEANROOM REQUESTS



ADJUSTING TO PROJECT CHANGES

QUALITY MANAGEMENT SYSTEM

CERTIFICATES AS THE GUARANTEE OF QUALITY

Termovent is fully committed to meeting the customer's requirements in terms of quality, environmental protection and safety. The set high quality standards are the cornerstone of our operations.

In order to achieve the goals we set at all times, our employees are involved in the processes of continuous improvement and optimization of our products and services. The success of this approach is confirmed by numerous certificates held by Termovent, which guarantee the highest standards to our customers.



Eurovent Certita Certification

Eurovent Certita Certification Eurovent Certita Certification has certified that Termovent Air Handling Units, Range KK, and Software for calculation of performances SELECT:pro, Trade name TERMOVENT, have been assessed according to requirements of the following standard: OM-5-2017



CE marking for Termovent AHUs

CE marking for Termovent AHUs Termovent Air handling Units hold CE Marking of Conformity to Machinery Directive 2006/42/EC Annex II, Point A. In addition, Termovent AHUs are designed and produced according to set of harmonized standards: EN ISO 12100:2010, EN ISO 12100:2010, EN ISO 13850:2015, EN 1037:1995+A1:2008, EN ISO 14120:2015, EN 60204-1:2006/A1:2009 and EN 61000-6-2:2005/AC:2005



ISO 13485:2016

ISO 13485:2016 Certification body SIQ confirmed that Termovent introduced Quality Management System in accordance with ISO 13485:2016 in the field of manufacturing, design and installation of Termovent panels for the construction of clean rooms.



ISO 9001: 2015

ISO 9001: 2015 Certification body TUV SUD Management Service GmbH confirmed that Termovent introduced Quality Management System in accordance with ISO 9001:2015 standard in the field of manufacturing, installation and sales of equipment for air conditioning, heating and cooling.



ISO 14001:2015

ISO 9001: 2015 Certification body TUV SUD Management Service GmbH confirmed that Termovent introduced Quality Management System in accordance with ISO 9001:2015 standard in the field of manufacturing, installation and sales of equipment for air conditioning, heating and cooling.



ISO 45001:2018

OHSAS 18001:2007 Certification body TUV SUD Management Service GmbH confirmed that Termovent introduced Health and Safety Management System in accordance with OHSAS 18001:2007 in the field of manufacturing, installation and automation of air conditioning, heating and cooling equipment and systems.



AAA Creditworthiness Rating

AAA Creditworthiness Rating Bisnode Serbia awards Golden certificate of Creditworthiness Rating



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