

Vaelma®

Modular Operating Theatre

AXIS
medical
construction





The system

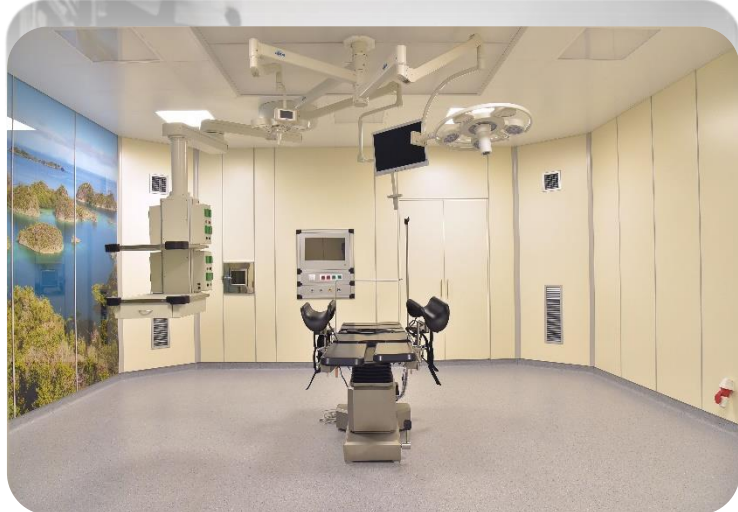
Vaelma© is a modular wall system which is used in clean rooms and hygiene areas in hospitals clinics etc. Such a system consists of a thoroughly designed substructure which hosts all the needed E/M infrastructure and includes special parts for corners, finishing materials installation and wall elements' mounting.

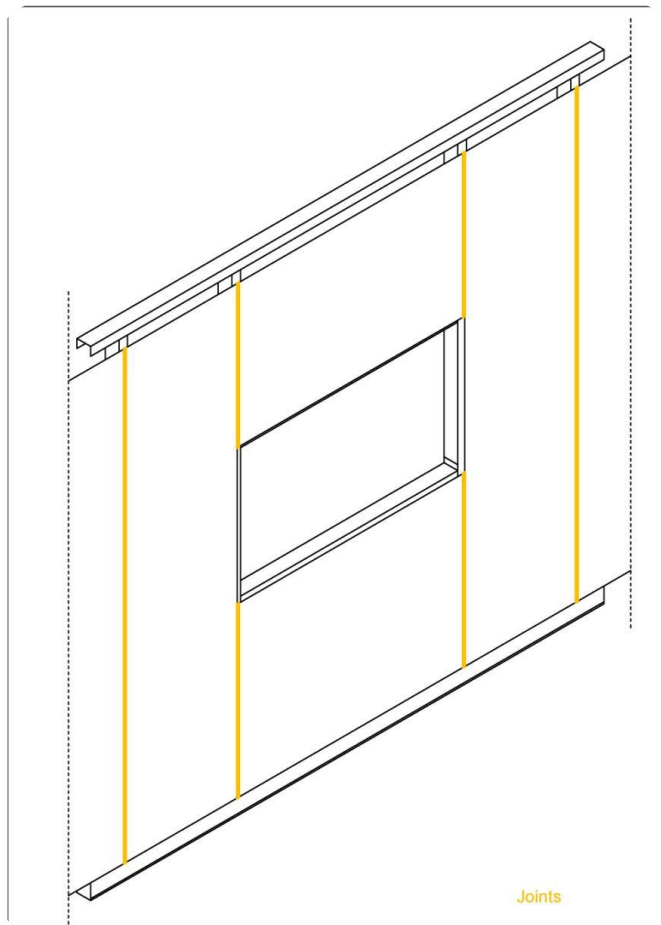
What is important about Vaelma© is that it forms a non-porous, hermetic, and flush antibacterial surface which is the main requirement in order to **create a clean and controllable environment**.



Vaelma© advantages

- X High-end finishing and aesthetics**
- X Quick installation – Easy maintenance**
- X Antibacterial flat surface** with proper **joints** and **rounded corners**
- X Accuracy and complexity in design** – reassure a perfect result and compensate any constructional issue on-site
- X Hermeticity** in construction
- X Combined** with all equal quality structural elements such as **(Ceiling, Floor, Doors)**
- X Options** for Fire resistance, X-ray shielding

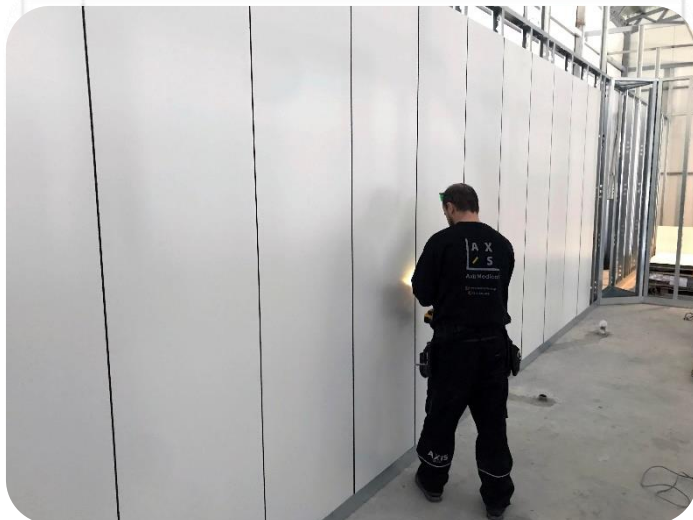




Main Features – System parts



- X Floor rails – ceiling rails – Pillars designed to host all E/M infrastructure**
- X Levelling profile** for horizontal compensation
- X Insulation** (any type according to specs)
- X Finishing** material panels
- X Joint profiles** – ALU and gaskets
- X Vaelma© hygiene corners** – ALU or HPL post-forming



Why modular?

Prefabrication is offering a Flexible, Cost effective and Time effective solution.

The contemporary needs in healthcare infrastructure are becoming more challenging and complicated.

It is crucial to be able to construct a real hygiene space with the state-of-the-art materials and characteristics in few hours, factory treated, well designed before construction on-site.



Finishing Materials

Antibacterial HPL Panel

The antibacterial technology is **not** based on the “temporary bacterial inactivation” but in **continuous bacteria fighting and disabling of their development.**

The new series of antibacterial panels are called LAMISHIELD and use the world's leader in antibacterial technology, Biocote. This technology is focusing in

- X destruction of the cell membrane of bacteria
- X destruction of the protein synthesis of bacteria
- X damage the DNA of bacteria

This results in 99.98% bacteria-free surfaces within 24hours according to ISO 22196:2011.

Other available materials

- X Stainless steel
- X Galvanized steel powder coated
- X Glass panels
- X SMS panels with honeycomb backing



Modular Operating Theatre in Kepanjen, Indonesia



Modular Angiography room in Thessaloniki, Greece



GMP lab in Children's hospital, Athens, Greece



Stainless steel and SMS installations in Germany and Greece

Axis Medical is a planning and construction company with 20 years of experience in the construction market and a high specialization in **healthcare facilities** such as Operating Theatres, Intensive Care Units, Clean Rooms and Recovery Care Units.

Experienced engineers can guarantee the best result.

Our advertisement is our customers' **satisfaction**.

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