

**Our modular operating theatres  
create value for companies, patients  
and society**



Rent, buy  
or lease

## Specialists in clinical environments

Because of today's growing problem with resistant bacteria in health care, work on cleanliness, ventilation and better workwear on operating wards is becoming increasingly important. The Swedish Modules Modular Operating Theatre concept is the result of long-term product development which began in 2010 alongside experts in the industry. The aim of the project was to create a better cleanroom environment for both the patient and the theatre staff.

Our hygienic modules are also popular in the pharmaceutical industry due to the high degree of cleanliness, reliability and short delivery time. We are capable of meeting stringent market requirements due to the expertise we have acquired over several years of delivering highly complex solutions. Our knowledge enables customers to feel secure throughout the project, which we always tailor to their specific needs.

### Delivering high standards, short delivery times and minimal disturbance on site

Swedish Modules has manufactured over 2,000 hygienic modules since 1986 in the form of pharmaceutical factories exported worldwide. Swedish Modules innovative concept for prefabricated operating theatres was established in 2015. Our offering also includes sterile rooms, laboratories and other types of clinical environments.

Our expertise in meeting the stringent requirements of the medical environment can be transferred to high-quality deliveries in other areas of critical societal infrastructure. Modular and on-site construction differ in terms of the technique used and the substantially shorter construction period, as opposed to their function or requirements. The same regulations apply for both methods.

The modular method also allows more efficient design and a high degree of predictability in both cost estimates and production time.

After production is completed at the Swedish Modules factory in Emtunga, it takes about three to five days to assemble the modules on site, followed by installation, which takes about four to five weeks, depending on the scale of the project.

### Operating theatres – rent, buy, or lease

Choosing a modular solution when you need to update the hospital or expand its capacity is a fast, safe and flexible solution. You can choose to rent, buy or lease the modular surgery unit. With this flexible solution, the modules can also be moved to other hospitals, thereby contributing to increased sustainability from both financial and environmental perspectives.

Our proprietary modular operating theatres ensure capacity, quality and patient safety during new construction, renovation or refurbishment of hospitals. The units are designed in accordance with the updated standard SIS-TS 39: 2015. If additional features are needed, they are carefully developed based on the specific needs of each project.

Choosing to build a modular structure makes it easier to ensure the cleanroom standard and to offer a flexible solution with respect to the needs and functions of buildings, including their format and location, and whether the solution is temporary or permanent.



### Pharmaceutical factories

We have been delivering pharmaceutical factories and biomedical facilities worldwide for a long period. We enjoy close cooperation with KeyPlants, which is responsible for project management and construction of pharmaceutical factories, among other areas.

Our extensive expertise is evident in every detail of a technically advanced production facility, all in a safe work environment. Our unique approach offers possibilities that would often be difficult to achieve locally.

We are proud of our partnership with KeyPlants and the opportunity to play our part in driving the development of such a complex field as pharmaceutical factories. Our expertise in meeting the stringent requirements of the medical environment can also be transferred to high-quality deliveries in other areas of critical societal infrastructure.

### WHY CHOOSE OUR SOLUTIONS?

- During renovation or when additional capacity is needed.
- Rent, buy or lease depending on your needs and preferences.
- A fast, flexible solution for both permanent and temporary locations.
- Simplified management, with the option of temporary building permits spanning 10–15 years.
- Substantially shorter construction period – around five weeks – compared to building on-site, depending on the scale of the project.
- The modules can easily be transferred within the hospital complex or to other hospitals.
- Extremely high air quality – CFU count below 5 ensures ultra clean rooms.
- High degree of predictability in both cost estimates and production times.

Reference

## Södersjukhuset Hospital, Stockholm

Swedish Modules prefabricated modular operating theatres enable Södersjukhuset Hospital to maintain its surgical capacity while the hospital is being modernised. In just a few weeks, the operating theatres are ready for commissioning. Through close collaboration and efficient, quality-assured processes, we can deliver a flexible solution that saves costs for the administration and is of great value to patients.

The Södersjukhuset project utilised the same modular rooms used previously during the renovation of Karlskoga Hospital, highlighting one of the major benefits associated with modular construction technology.

Scope	Three complete operating theatres for general surgery, orthopaedics and implantation surgery, three preparation rooms and one technology room.
Total area	460 sqm on two floors, with two operating theatres spanning 50 sqm and one spanning 30 sqm.
Delivery time	From order to commissioning, around 20–24 weeks in this project.
Construction	Welded steel structure.

To find out more, and watch a film about the Södersjukhuset Hospital project, visit [swedishmodules.com](http://swedishmodules.com)



Reference

## Pharmaceutical factory to Saudi Arabia

Swedish Modules worked with KeyPlants to build an ultra-modern pharmaceutical factory for aseptic filling of advanced pharmaceuticals. The factory is the first of its kind in Saudi Arabia. We were able to meet the stringent demands thanks to our many years of successful collaboration with KeyPlants. In this ultra-modern pharmaceutical factory, valuable processing equipment was assembled on site and important tests carried out prior to delivery in order to ensure everything worked upon installation. The modules were delivered to Saudi Arabia in August 2018.



## Swedish Modules – Always curious

Swedish Modules delivers prefabricated, high-specification modular structures in our business segments Medical and Datacenter & Power. We design, plan and produce products that are fully integrated with equipment tested and quality-assured at our factory in Emtunga. Our solutions are highly adapted to critical societal infrastructure.

### Greater function and value for the customer

We are driven by the ambition to work together with our customers in order to create innovative, high-quality solutions that contribute to sustainability for individuals and wider society. We are constantly striving to deliver greater function and value for our customers' businesses. Our main objective on every project is to ensure the customer is satisfied at every stage.

We have also created a safe work environment for our employees. Our employees in the factory work at a height of around 0.5 metres. Working on a building site is one of the world's most hazardous occupations. We are proud to have significantly reduced the risks and created a safe workplace. Our priority is for everyone to come home, safe and sound, at the end of the day.

### Extensive experience of demanding markets worldwide

We are capable of meeting stringent market requirements due to the expertise we have acquired over several years of delivering highly complex solutions. This means we can assist our customers at an early stage with best practices, from design to delivery.

### Safe work environment

One factor that ensures high quality is that the modules are built indoors, with the product protected throughout the production period.

### In brief

- 100% Swedish production.
- Over 40 years' experience.
- Upwards of 3,500 high-specification modules built.
- Substantially shorter construction period compared to on-site projects.
- We deliver to over 30 countries.
- The Datacenter and Power business areas.



### Contact

**Sven Lans**  
Site Manager  
Tel +46 (0)705 48 99 55  
sven.lans@swedishmodules.com

**Pär Åberg**  
Chief Sales Officer  
Tel +46 (0)725 00 23 48  
par.berg@swedishmodules.com