

/ WEDNESDAY, JUNE, 24
**PRESS
RELEASE /**



HOPLITE

© Groupe-6 / Aspida - All rights reserved



HOPLITE, modular deployable bio-contained intensive care complex

In response to the Covid crisis, the consortium made up of Groupe-6 architects, the innovative industrial companies Aspida & Imebio, supported by the Mérieux Institute, with ERINHA, European Research Infrastructure on Highly Pathogenic Agents, Life Ingénierie and GL events, has designed an innovative bio-contained intensive care complex, deployable in 5 days. This hybrid concept brings together containers and deployable structures in a minimal footprint that can be easily stored and moved. The scalability of its modular design is threefold: in capacity (expandable), in safety level (pathogens), and in equipment (possibility of adding technical modules, imaging ...).

A safe hospital for health care workers

Both the health care and pathogen-laboratory worker are exposed to the same risk of infection. However, this risk is managed in a radically different way by professionals in these two fields. This situation was particularly highlighted by the Covid-19 pandemic, where we sadly count many cases of health care worker contamination in hospitals or local health centres, whilst there is no record of a scientist contracting the virus in a research laboratory. Still difficult to estimate in France, nosocomial transmission of SARS-CoV-2 represented nearly 10% of all COVID-19 cases in Spain and Italy. The success of biocontainment research laboratories in terms of personnel safety and environmental protection must inspire an evolution in the way infectious disease related risk is managed in the health care sector.

Attention to the well-being of health care workers and patients

Feedback from the COVID crisis revealed that beyond capacity requirements in terms of number of available intensive care beds, their associated equipment and the personal protection equipment, the psychological overload of the health care workers was significant and difficult to manage: exhaustion, lack of understanding of the virus, change in practices, risk related fear... HOPLITE brings together, with the same importance, the safety and well-being of health care workers and patients.

The 32-bed modular deployable unit is welcoming, efficient, and safe. It helps health care teams and support staff to work in the best conditions possible for their safety whilst providing the highest level of care. Deployable on the surface area of a 100-space car park, this modular system can be setup in multiple ways and can be organized in linear way or an L shape, so as to adapt to the specific constraints of each site, without impacting the conventional intensive care service. Its capacity can also be adapted according to the needs (by sub-modules of 5 or 6 rooms). Designed using the same standards as for a conventional intensive care unit, it meets the triple objective of size, comfort and flow management.

It brings together:

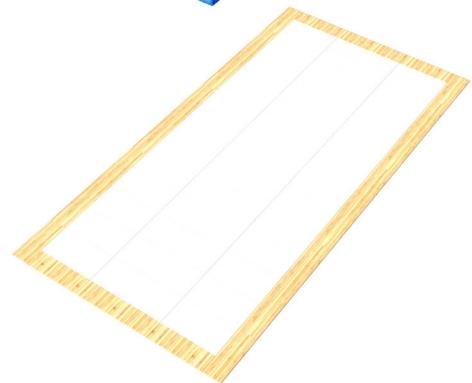
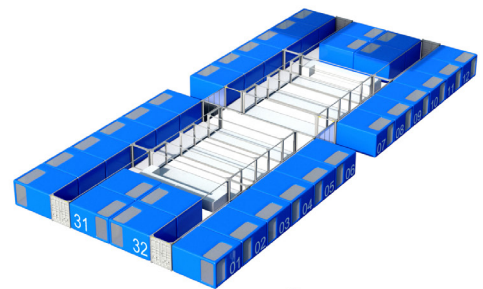
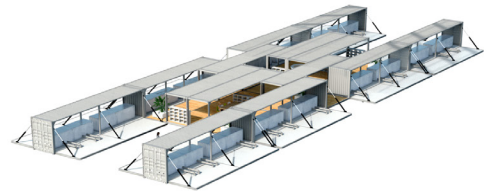
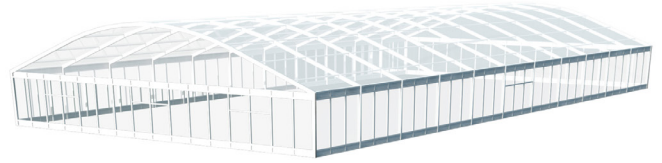
- Bright individual rooms, allowing patient visits
- Living spaces for health care workers, for physical & mental rest, upstairs, extended by terraces
- A protective envelope creating an airlock to provide privacy
- Design, colours, and atmospheres are conducive to psychological balance, promote recovery or relaxation.

A multidisciplinary and expert team

Forming a dynamic ecosystem within the Rhône-Alpes territory, the members of the consortium are able to provide strategic, technical, scientific expertise as well as the necessary capacities in terms of production, installation and servicing/validation.

The team:

- Hospital architecture: Groupe-6
- Scientific committee for biosafety: ERINHA
- All trades engineering: Life Ingénierie
- Deployable confined systems: ASPIDA
- Containers, utilities and HVAC: IMEBIO supported by the Mérieux Institute
- Temporary construction, power generation, logistics, installation: GL events



PRESS CONTACT GROUPE-6

Caroline Paul, Head of communications

T + 33 (0)6 82 58 30 56

caroline.paul@groupe-6.com

groupe-6.com