



FERO International Inc.

Solutions Without Limits

MEETING WITH ONTARIO LONG TERM CARE COVID-19 COMMISSION
NOVEMBER 26, 2020



The Challenge

Canada's health system is struggling to keep up with increased and changing demands, leading to lengthy wait times for long-term care and hallway healthcare.

The COVID-19 pandemic has tested our limits and revealed that, despite heroic efforts by operators and front-line staff, long-term care (LTC), retirement homes and other congregate living settings don't always have the capacity to provide the best possible care when faced with this kind of crisis.

With limited hospital beds and multiple outbreaks in LTC homes and other congregate living settings, **we need a solution that will quickly and safely increase capacity** where it's critically needed, protect front-line workers, and above all ensure residents can safely and effectively receive the care they need.



FERO Can Help

FERO has a vision: Instead of trying to fit residents with varying care requirements into existing long-term care facilities, we build mobile units around their changing needs.

- We know that long-term care and retirement providers need to be nimble, scalable and quick to mobilize to respond to those changing needs – particularly as homes face outbreaks or need to rapidly scale or mobilize to meet new legislative requirements.

FERO has a solution: We create hard-shell scalable mobile medical units using breakthrough technologies that support long-term care homes.

- FERO's proprietary **hard structure units** have everything needed for high-quality and comfortable resident care.
- Our breakthrough technology will help mitigate cross-contamination within congregate living during an outbreak, so residents can be effectively cared for while keeping front-line workers and fellow residents safe.
- The FERO team is constantly collaborating with those on the front lines to develop new solutions and adapt existing offerings to meet their needs.



Our Units



Addressing Long-Term Care Needs

- FERO's pressurized mobile medical units can be used for a range of care needs, including surge capacity and bed shortages in congregate living to deal with outbreaks or the need for rapid growth in long-term care beds.
- The units can serve as isolation units to accommodate infections in congregate settings where space constraints and design requirements limit the ability of operators to separate infected residents from those who are well. For some residents this could eliminate the need to transfer to hospital.
- Units can be customized to a variety of uses, up to a full-scale solution with nursing station, communications capabilities and more.
- **We would work closely with long-term care operators as well as acute care hubs and government to produce tailored solutions to challenges in relation to both physical space and staffing.**



Mobile Unit: Capacity

- Each proposed FERO unit has approximately 600 square feet and houses two residents independently of each other.
- Units can be scaled up to a fully connected solution to ensure residents are isolated safely and comfortably.
- Each resident room can contain a bedroom, a bathroom with shower and a family room as well as oxygen and suction if required.
- Resident will be able to communicate with their families through sophisticated communications and video conferencing software or in person through large privacy transition glass windows while being safely isolated.
- All units are serviced from the exterior.



Mobile Unit: Air Quality

- Each unit has two independent rooms that can be pressure controlled separately – negative, positive and neutral pressure.
- This unique ability, enabled by FERO's innovative proprietary technology, is not currently available in Ontario health facilities – only our mobile units.
- The units can be cooled and heated to accommodate Canadian weather fluctuations.
- The air is also HEPA filtered, including the fresh air coming in and the exhausted air going to the outside environment, to protect staff and residents. The air exchanges up to 30 times per hour, which exceeds CDC requirements.
- Medical-grade finishes, meaning no seams or drywall making the units easy to clean and sterilize to assist with infection control.



Mobile Unit: Internal Features

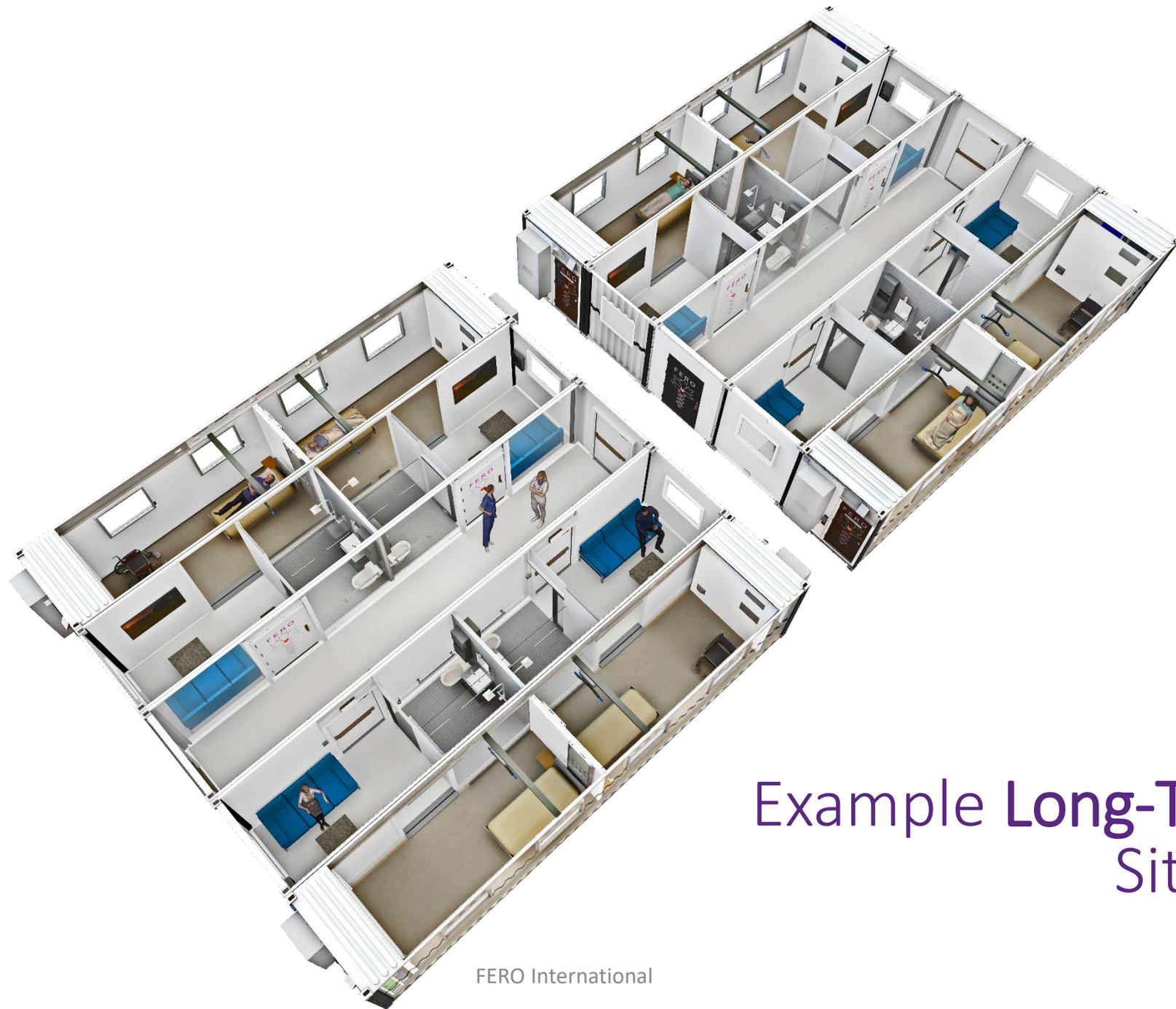
Internal features include:

- Oxygen, suction and medical gas lines;
- Hospital-grade headwall unit with electrical outlets that operate on independent circuit breakers, removing any risk of overloading any one outlet;
- Dedicated outlets supported with a UPS backup system to ensure equipment is not affected by external power failures;
- Wireless communications systems for residents and front-line staff to communicate with resident families and loved ones; and
- Remote medical professional access to residents by camera with monitoring capability available from anywhere.

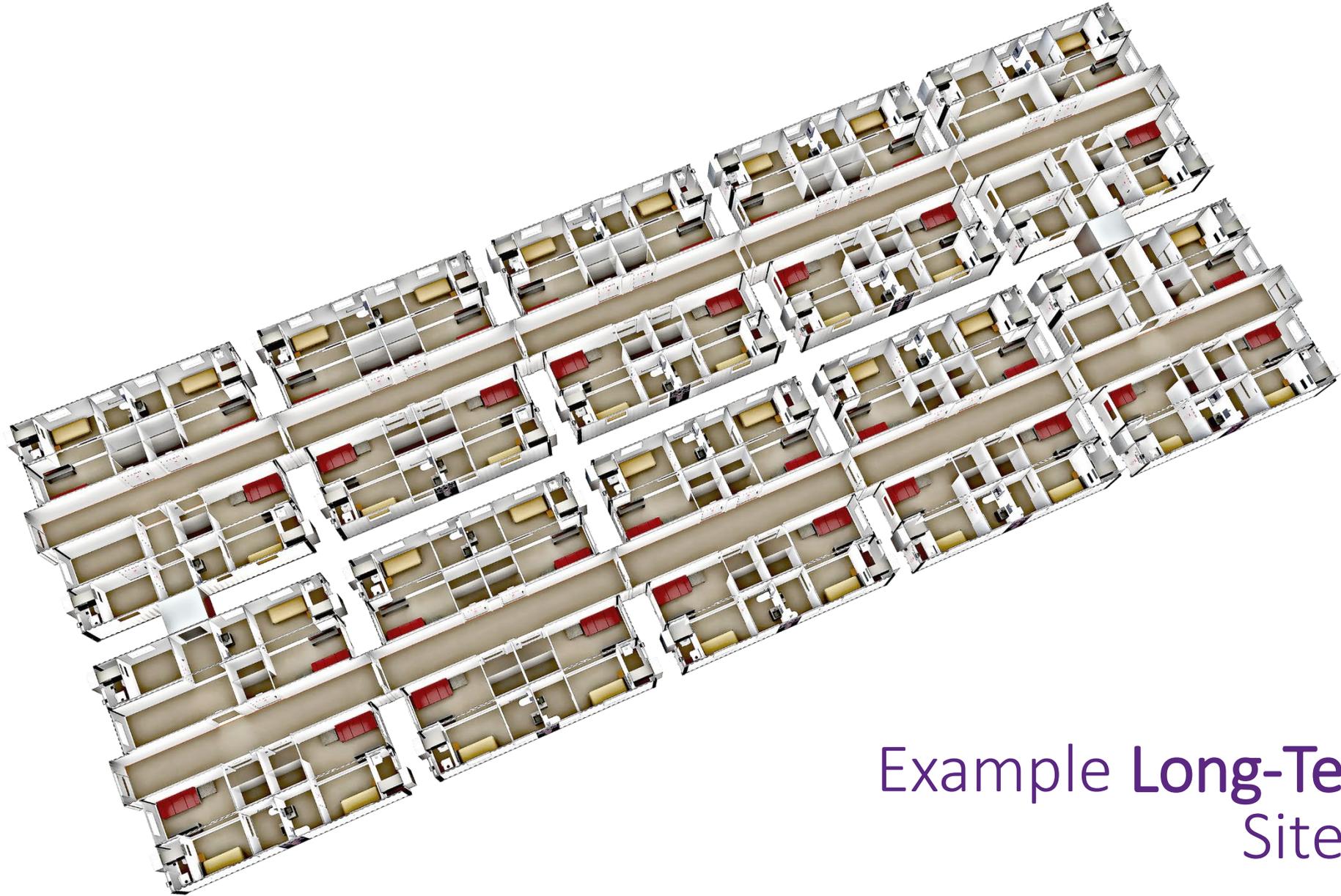


Scalability & Flexibility

- FERO's solution can be scaled up or down as required and become operational within hours of delivery once the site has been prepared.
- We can accommodate a broad variety of mobile medical needs as we are capable of engineering and manufacturing a wide array of medical unit types including: entry units, hallway units, anteroom units, nursing station units, pharmacy units, refrigerated morgue units, medical gas and power generation units, utility rooms (clean and soiled) and restroom units.
- Units can be rapidly deployed anywhere in Ontario via truck, train or plane and require minimum time to install.
- Units are prefabricated and equipped with the necessary health care equipment and supplies to ensure they are ready to operate upon deployment with minimal setup required.
- Units are capable of being fully operational at any location government can offer.
- Units are customizable to accommodate the unique needs of each long-term care home.
- Units can connect to any existing facility or site or can be completely standalone.



Example Long-Term Care Site Render



Example Long-Term Care Site Render

Creation of an Emergency Strategy

- FERO believes that a well thought out emergency strategy is required now
 - COVID-19 may still be with us for some time
 - Long-term care homes require assistance even post pandemic due to bed shortages in the entire health system
- FERO believes that a collaborative approach is required between the long-term care homes and the acute care centres
 - This idea requires socialization to ensure all parties are onboard to work collaboratively and create more uniform standards across areas of overlap between acute care and long term care
- From a safe infrastructure perspective, FERO is able to act as a hub and move COVID positive residents out of homes as well as take pressure off of the emergency departments
- FERO can also provide units that can treat residents that require additional medical support, where vitals can be taken every few hours and more aggressive treatment can be provided, without sending residents to hospitals
- FERO can act as both an input and an output (for decanting resident homes and for moving residents out of hospitals into FERO units before they are ready to return to their homes)

Creation of an Emergency Strategy Cont'd

- FERO is able to provide some staffing but understands that a collaborative approach is required, which ensures strong managers are present
 - FERO recommends that existing homes assign designated staff, including physicians and nurse practitioners to work in FERO hubs
 - FERO can work with long-term care homes as well as acute care hubs who can assist with providing clinical managers and logistics
 - FERO is able to ramp up and ramp down alongside our partners
- FERO believes a MEST – mobile emergency support team – could be moved into FERO facility as MEST teams include managers
 - Overall, FERO understands that there is difficulty in filling management roles in the sector but this endeavour requires strong decisive leadership to make strategic and just in time decisions proactively
- FERO believes that the Ministry of Health and Ministry of Long Term Care need to work collaboratively and closely with one another and with long term care and acute care providers for any solutions, including FERO's, to be successful



Thank you!

Contact:

Sabrina Fiorellino, CEO
sfiorellino@ferointl.com
