



Designed by Your Nature

Modular Seniors' Home

1681 m² / 28 apartments

- Designed for resident integration & sustainable living
- Technology which allows for superior environmental parameters
- Production process focused on efficiency and safety



The 21 ADD Modular Seniors' Home design was developed as part of the "Energy and Process Efficient Construction" project by the National Centre for Research and Development.



Redefining Senior Living: Empowering Independence

At the 21 ADD Senior Home, we embrace a revolutionary approach to senior housing, one that prioritizes independence and social engagement above all else.

Central to our philosophy is the creation of a sustainable and vibrant community where seniors can thrive.



Community-Centric Environment

Our lounge serves as a bustling hub for social interaction and shared experiences, fostering connections and friendships among residents. From lively discussions to leisurely strolls in the green space, there's always something happening at 21 ADD Senior Home.

Accessible Medical Support

Our design includes an on-site medical office, ensuring prompt and reliable medical attention whenever necessary. Whether it's routine check-ups or urgent care, residents can take comfort in knowing that help is just a few steps away.

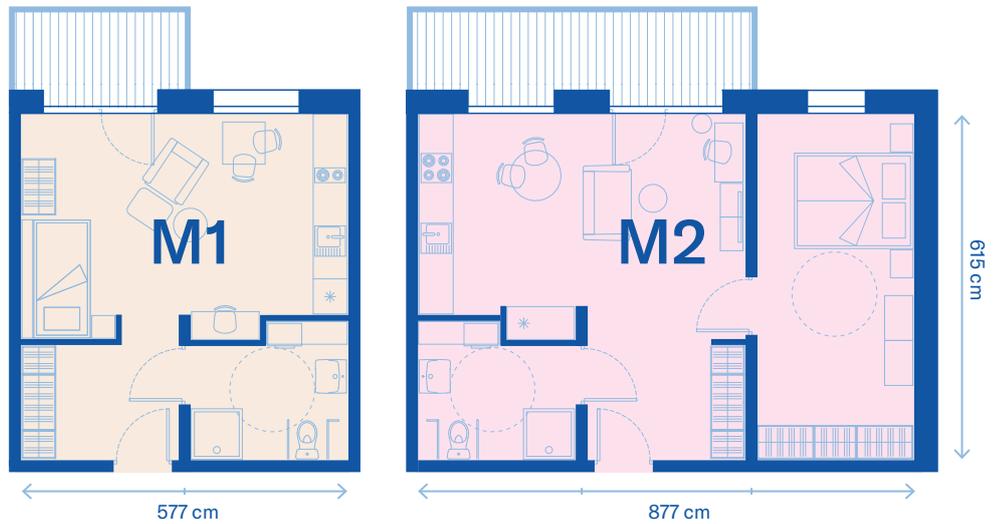
Sustainable Design

Incorporating sustainability and low running costs as core principles in designing senior housing not only promotes environmental responsibility but also ensures that residents can enjoy affordable living while maintaining a comfortable and secure environment tailored to their needs.

Tailored Living Spaces

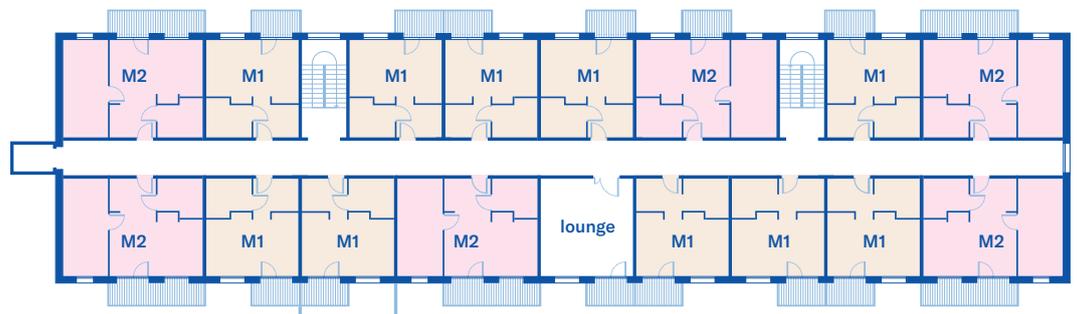
Our apartments are thoughtfully designed to cater to the unique needs of older individuals, promoting autonomy and comfort.

Each residence offers the perfect blend of functionality and style, providing seniors with a sanctuary they can truly call their own.

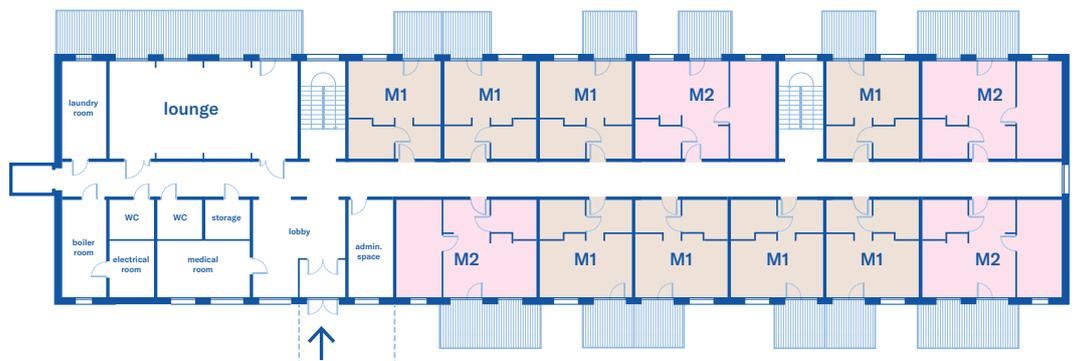


Floor plans

1 First Floor



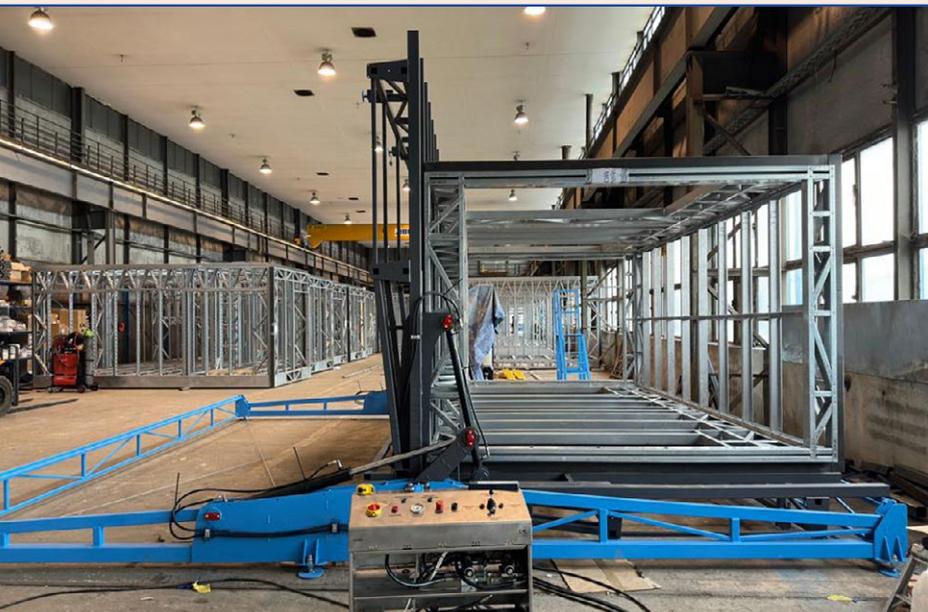
0 Ground Floor



total usable area	total number of apartments
1681 m²	28

M1	1-Person Apartment
area	apartments
37.91 m²	18

M2	2-Person Apartment
area	apartments
55.25 m²	10



Technology

Our modular building is made with lightweight steel frame technology filled with SGW, a mortar mixture of our design.

The construction is:

- highly shock-resistant,
- sealed,
- soundproof,
- fire-resistant.

Our unique technology allows for full integration of renewable energy sources – this has a direct impact on environmental parameters.

Production

Efficient Process

Controlled and closed production process allows for greater precision and efficiency in production compared to traditional on-site construction methods.

Less Waste

Since modules are built to precise measurements in a factory setting, materials can be optimized, and excess waste minimized.

Enhanced Safety

Indoor construction in our factory protects workers from weather and traditional construction process hazards and ensures stricter adherence to safety protocols.

Quality Control

Stringent inspections at every stage of our process guarantee consistently high-quality buildings with fewer defects.

Environmental parameters

data for the Polish climate zone (III)

	total electric energy consumption of the building	48.5 kWh/m ² /year
	final energy (EK) the amount of energy to be purchased for heating, preparing domestic hot water, and ventilation purposes	21.9 kWh/m ² /year
	primary energy for ventilation, heating, and domestic hot water (EP) the amount of energy directly obtained from non-renewable natural resources	1.1 kWh/m ² /year
	excess energy produced building has a potential to generate more energy than it consumes, which can be later sold back to the grid	78.5 kWh/m ² /year

	usable energy for heating and ventilation (EUco)	4 kWh/m ² /year
	water balance almost full water consumption savings from the grid with sewage treatment and utilization of rainwater	up to 95 %
	carbon footprint of building materials carbon footprint of the building materials used up to the shell and core state, calculated per 1 m ² of the total surface area	295.3 kg CO ₂ /m ²
	recycling of building materials the share of materials originating from recycling in the building's structure	42.5 %

Contact us