

# Result.

**STAND  
ON  
QUALITY**



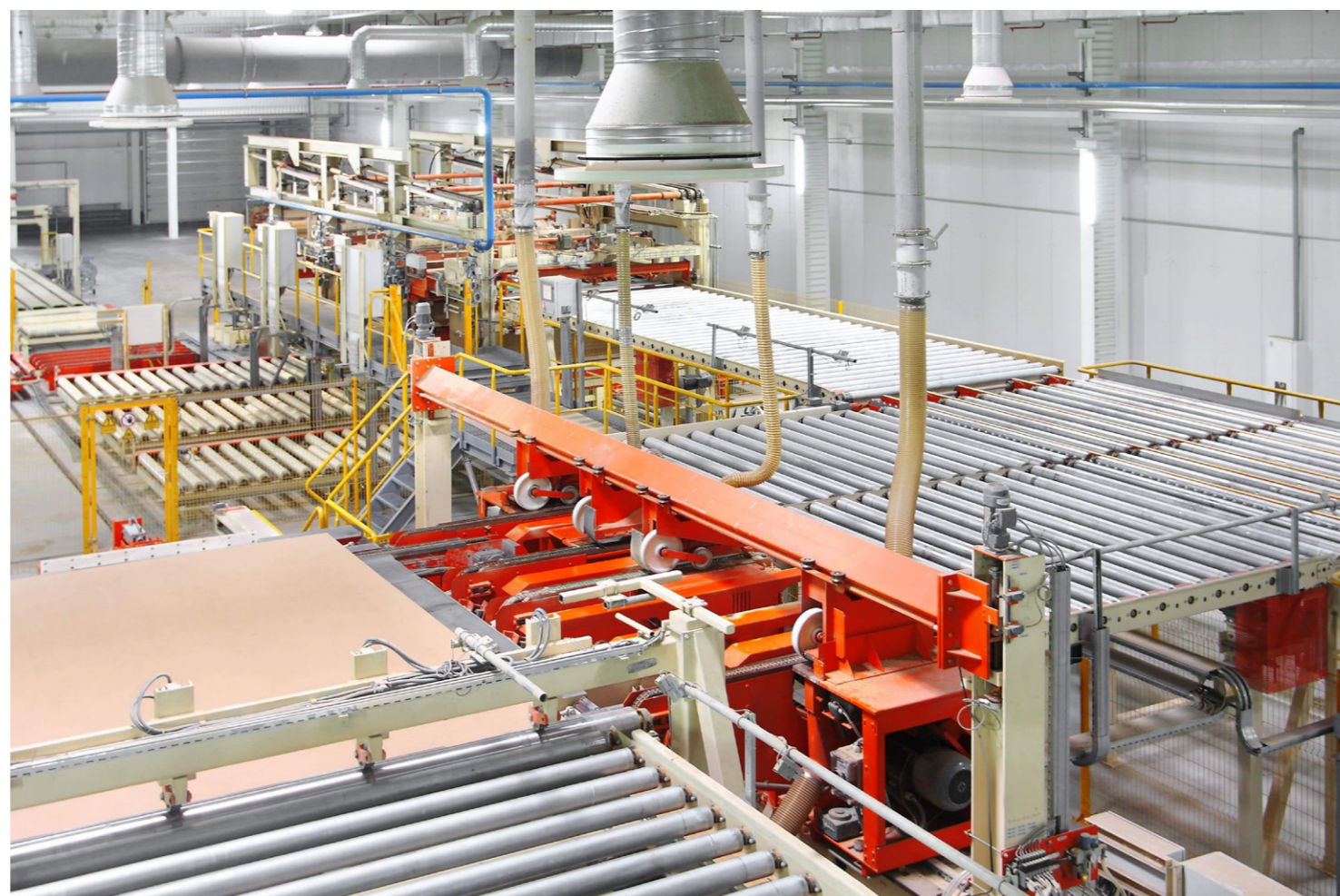


**200 ha**  
of an industrial park

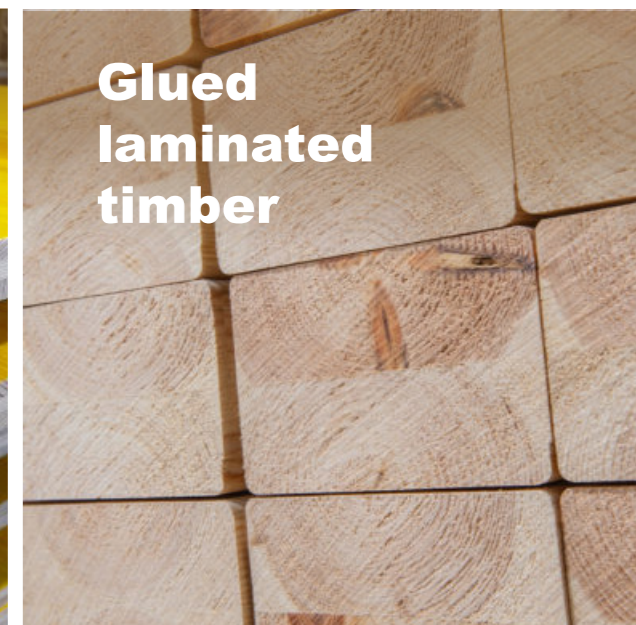
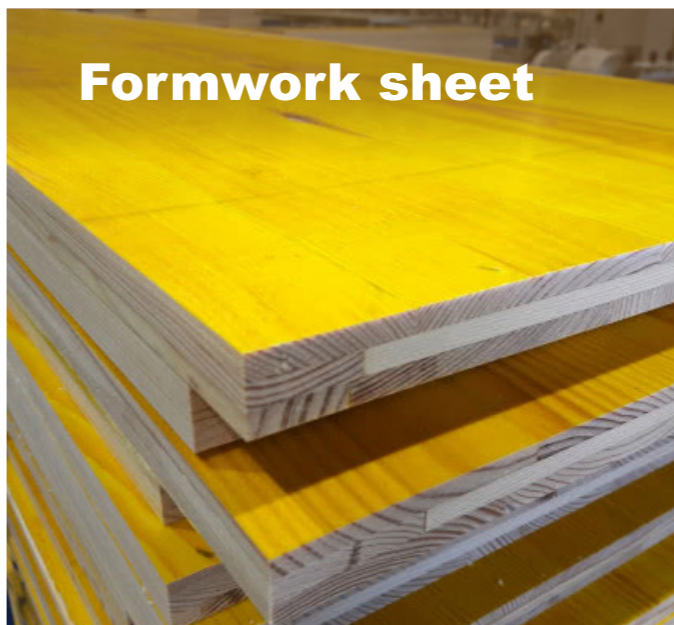
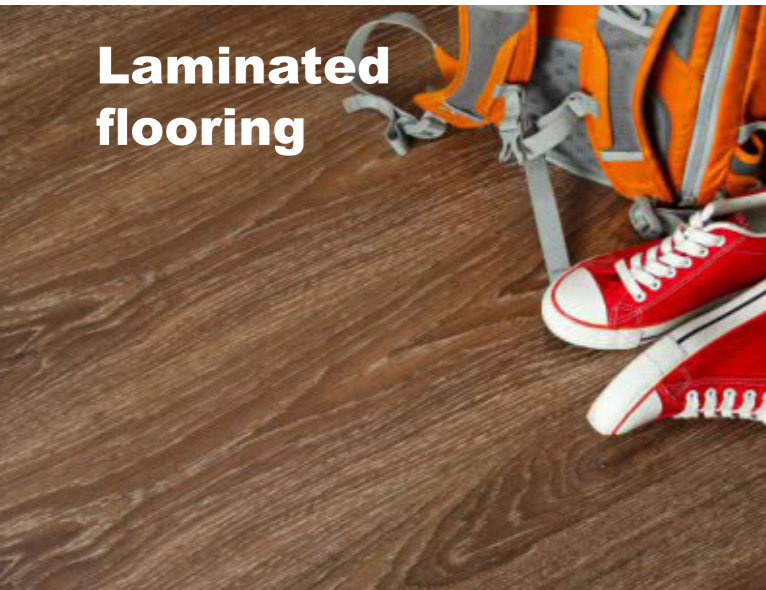
export to **45** countries  
around  
the world

**€400 million**  
of investments

**1,2 million m<sup>3</sup>**  
volumes of wood processing



ARENZ





# CLT (CROSS-LAMINATED TIMBER)

CLT (Cross-Laminated Timber) – is it is a wooden panel made of glued together layers of solid or optimized (jointed) sawn softwood.

All wood for the CLT production comes only from forestries that are certified according to the FSC standard, which ensures the production of ecologically clean material.

The latest equipment from world leaders Ledinek and Hundegger guarantees a cost-effective and highquality end product.

The maximum size of CLT panels is 18 m in length and 3.5 m in width. Thickness - from 3 to 7 layers or from 60 to 360 mm.



Fast



Eco-friendly



Energy-efficient



Secure

Country  
**Great Britain**

City  
**London**

Location  
**Dalston Works**

Pace of construction  
**18 months**

Year of construction  
**2017**



It is one of the largest buildings in the world built entirely of CLT. The project consists of several buildings ranging from 5 to 10 storeys. The total area is 155,000 square feet (14,400 square meters). It includes 121 units of housing, along with office, restaurant, and retail space.

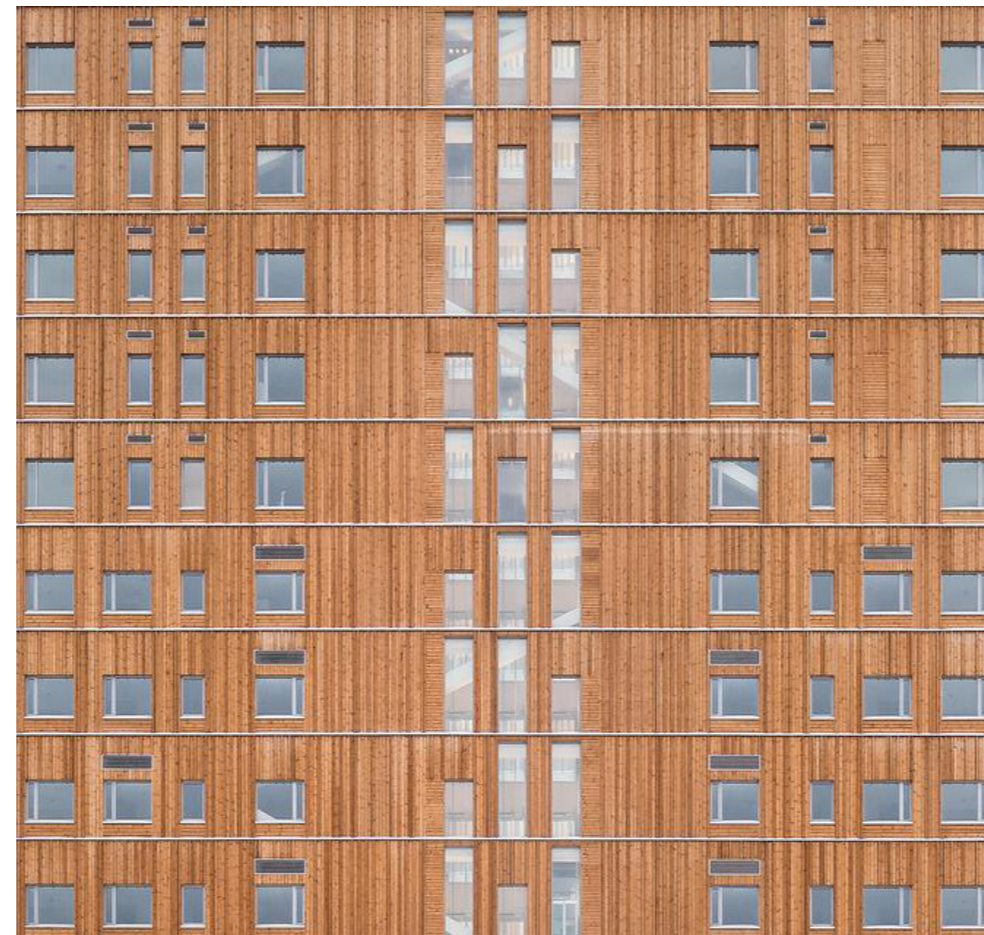
The building weighs approximately one-fifth of a concrete building of the same size. Dalston Works sequesters 2,866 tonnes of carbon dioxide. Wall panels range from 4 to 5.5 inches (10,16 – 13,97 cm) thick while floor slabs range from 4 to nearly 8 (1016 to 20.34 cm) inches thick.

On the exterior, the CLT is protected by a vapor barrier, a 4.3-inch layer of foil-faced rigid insulation, and the brick façade aimed at keeping the exterior of the district undisturbed.

Country <b>Norway</b>	City <b>Brumunddal</b>	Location <b>Mjøsa Tower (Mjøstårnet)</b>	Pace of construction <b>17 months</b>	Year of construction <b>2019</b>
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One of the tallest environmentally friendly buildings on the planet, at 85.4 m tall. The tower has 18 floors with a total area of 11,300 square meters. It consists of 33 apartments, 72 hotel rooms, offices, a restaurant, a rooftop terrace, etc. CLT material was used for the inner walls, elevator shafts, balconies, and stairs.



The internal columns, beams, and diagonals of the building are formed by planing and gluing largescale glued laminated timber. Concrete has only been used in the foundation, in the floor of the first storey and in the uppermost storeys. Steel is only used in the beam bindings.



Country <b>Canada</b>	City <b>Vancouver</b>	Location <b>Brock Commons Tallwood House</b>	Pace of construction <b>18 months</b>	Year of construction <b>2018</b>
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An 18-storey building of a student residence, which is constructed entirely of CLT and glued beams. Concrete has only been used in the foundation and the stairs, steel has been used in the roof. The building has the capacity for just over 400 students. The height is 54 meters. The gross area is 162,700 square feet (15,115 square meters). All wooden structures were made in just 70 days. The volume of carbon dioxide sequestered by the structure is 2432 tons.

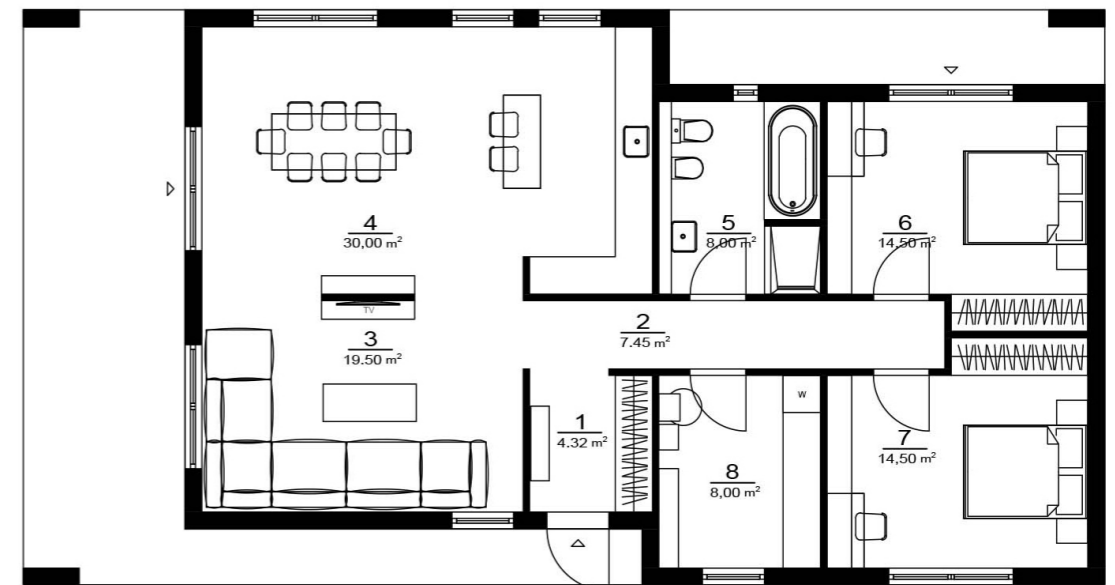
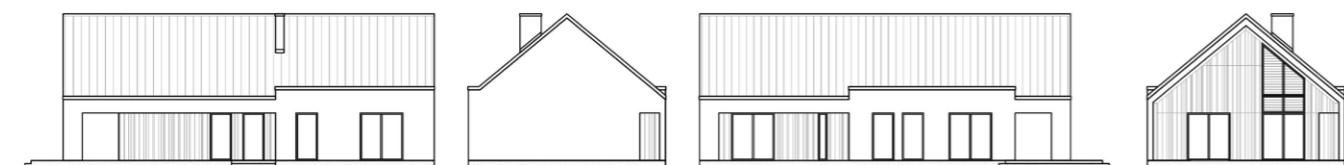


Area  
**106,27 m<sup>2</sup>**

Number of rooms  
**3**

Frame construction term  
**12 hours**

Turn-key construction term  
**1 month**



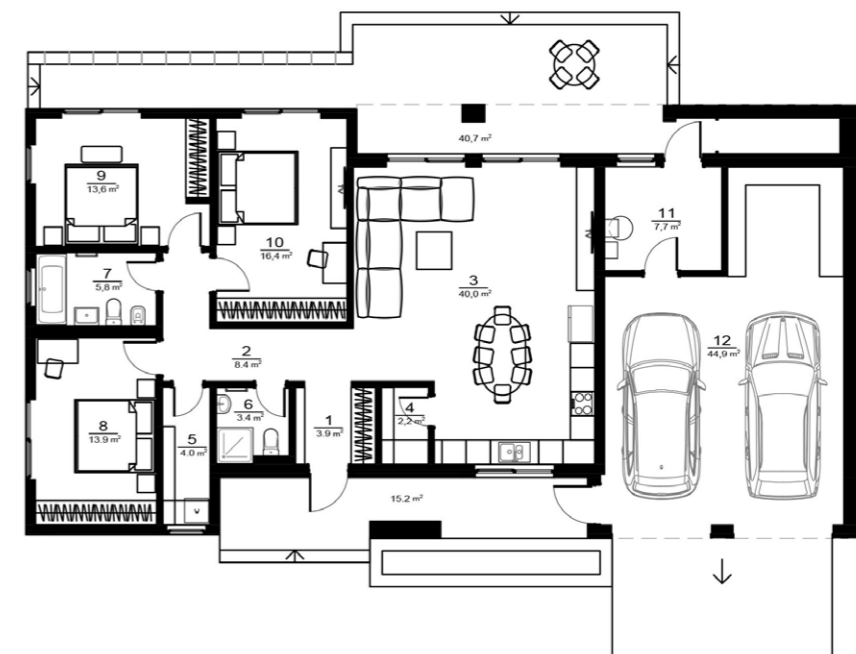
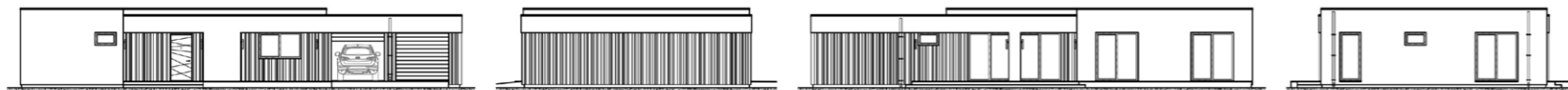


Area  
**164,2 m<sup>2</sup>**

Number of rooms  
**4**

Frame construction term  
**1 day**

Turn-key construction term  
**1 month**

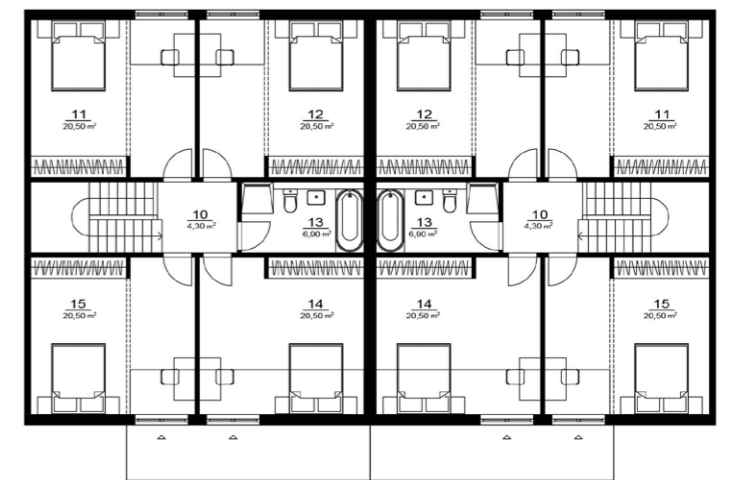
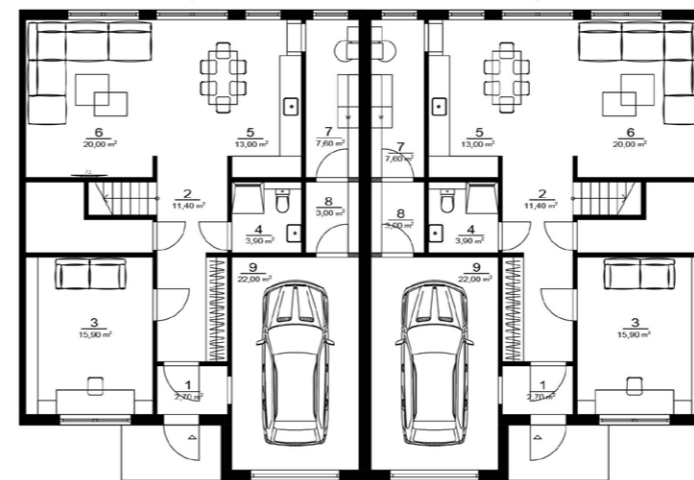


Area  
**192,7 m<sup>2</sup>**

Number of rooms  
**12 (2 houses)**

Frame construction term  
**2 days**

Turn-key construction term  
**1,5 months**

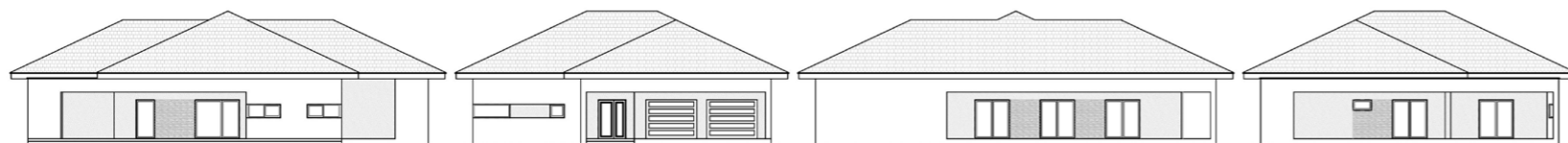
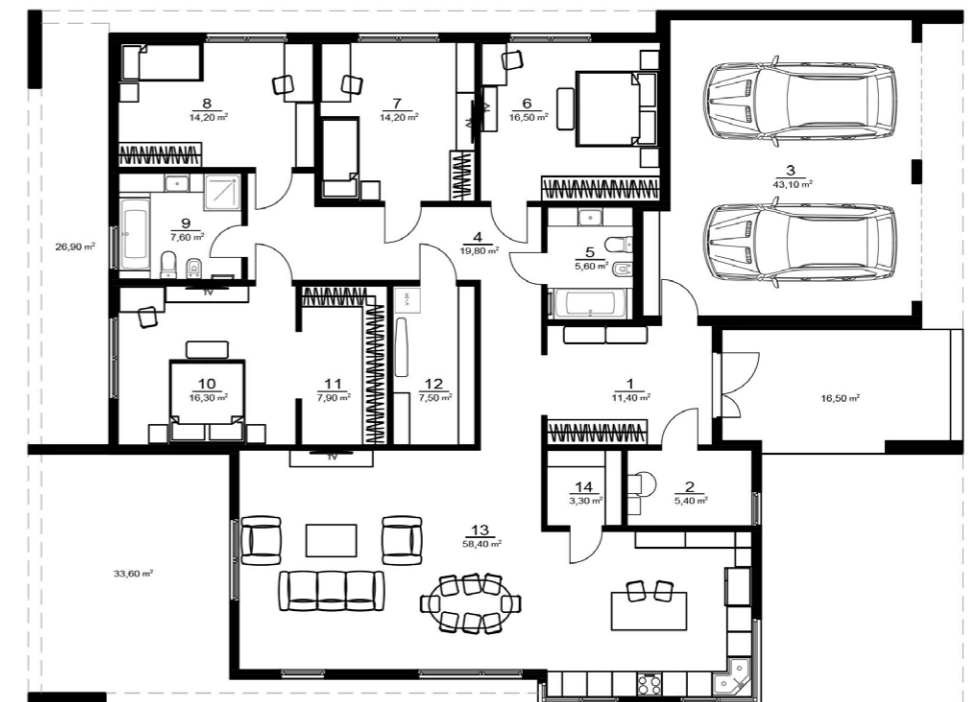


Area  
**231,2 m<sup>2</sup>**

Number of rooms  
**5**

Frame construction term  
**2 days**

Turn-key construction term  
**2 months**

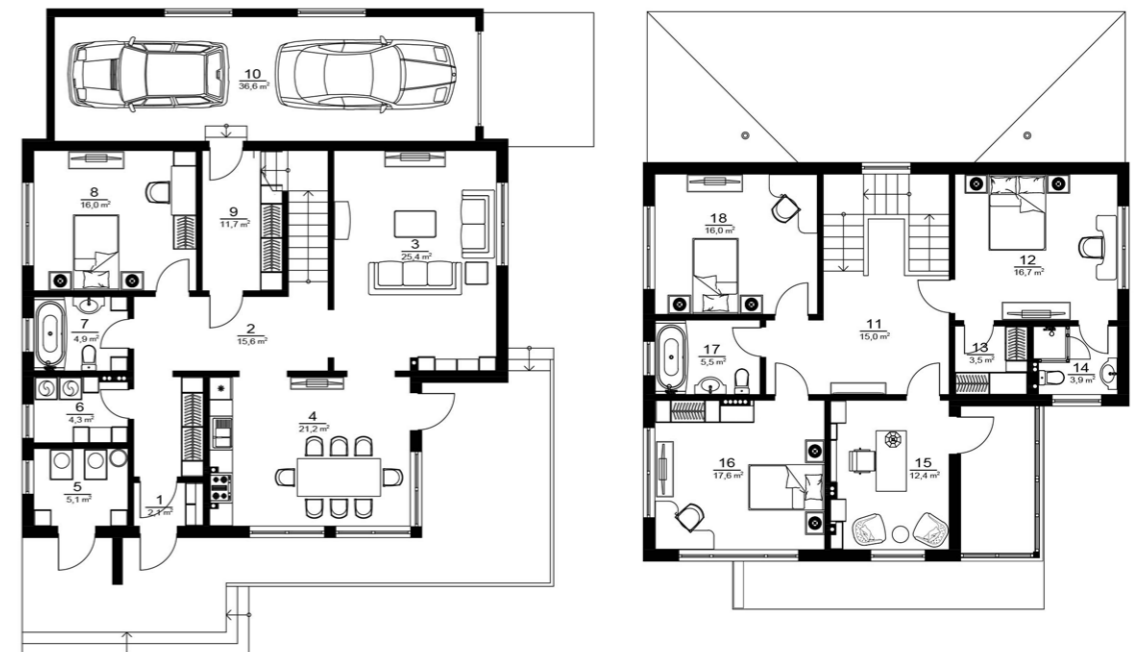


Area  
**233,5 m<sup>2</sup>**

Number of rooms  
**7**

Frame construction term  
**3 days**

Turn-key construction term  
**2 months**

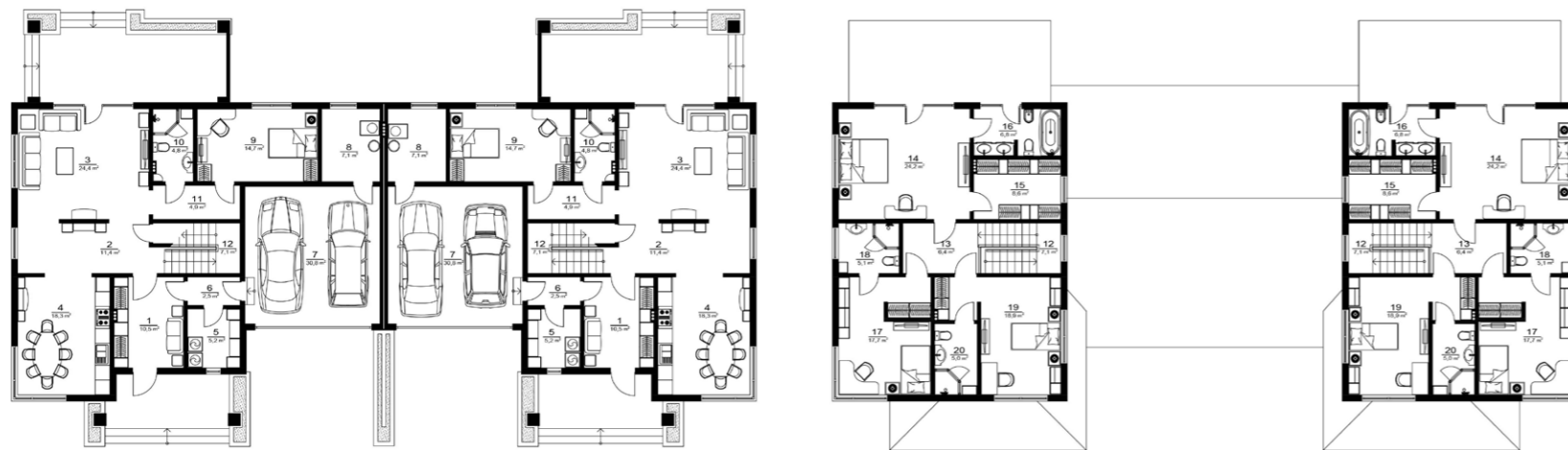


Area  
**234,6 m<sup>2</sup>**

Number of rooms  
**14 (2 houses)**

Frame construction term  
**3 days**

Turn-key construction term  
**2 months**

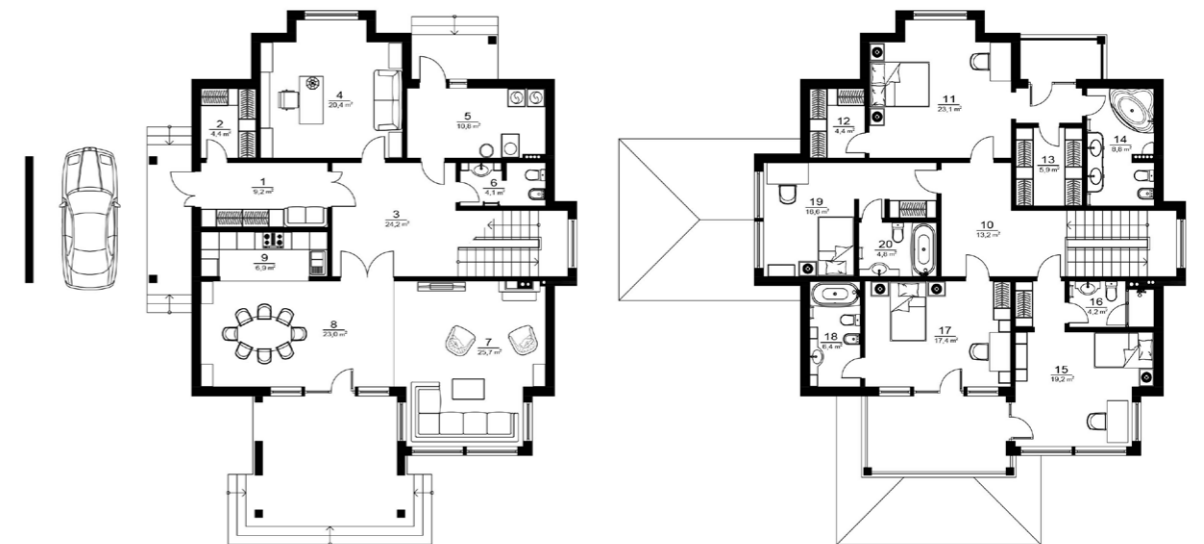


Area  
**252,7 m<sup>2</sup>**

Number of rooms  
**7**

Frame construction term  
**3 days**

Turn-key construction term  
**2 months**

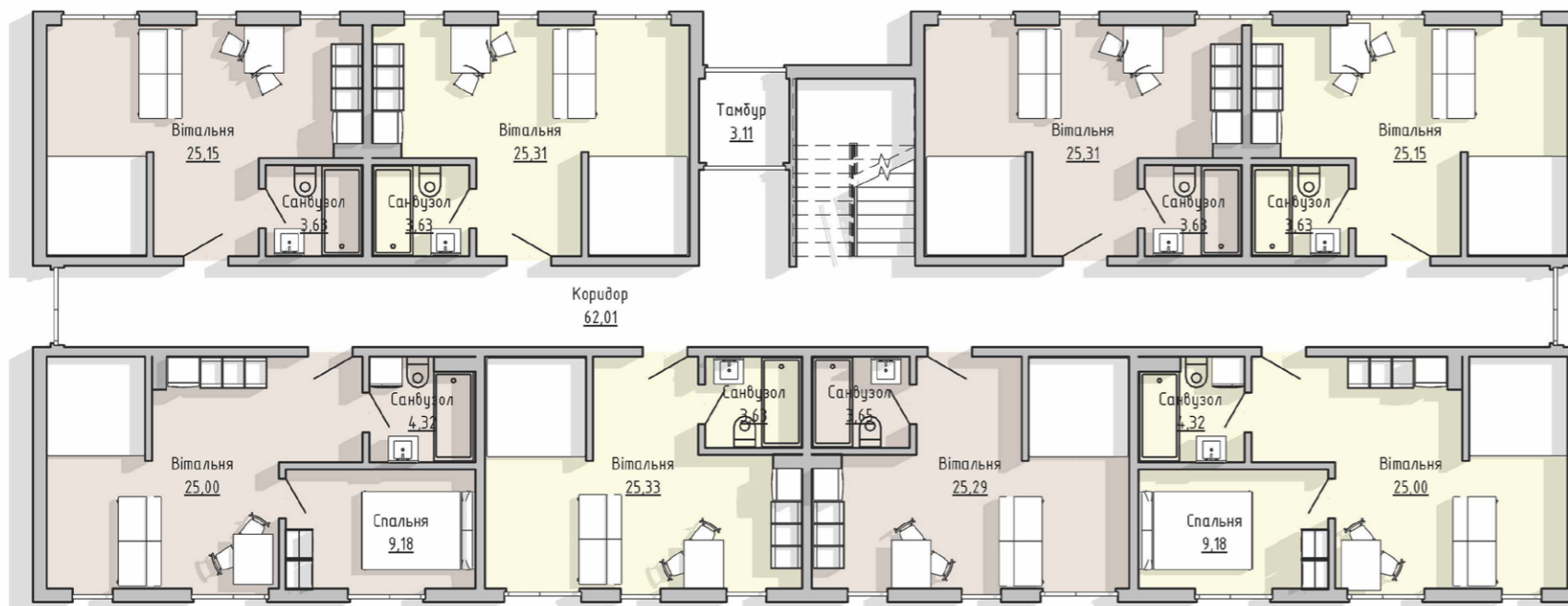


Area  
**631 m<sup>2</sup>**

Number of storeys  
**2**

Number of apartments  
**16** (1 bedroom - 12, 2 bedroom - 4)

Turn-key construction term  
**2 months**



Area <b>2336 m<sup>2</sup></b>	Number of storeys <b>4</b>	Number of apartments <b>32</b> (1 bedroom - 8, 2 bedroom - 16, 3 bedroom - 8)	Turn-key construction term <b>3-4 months</b>
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