



Ekobustas Prefabricated Homes





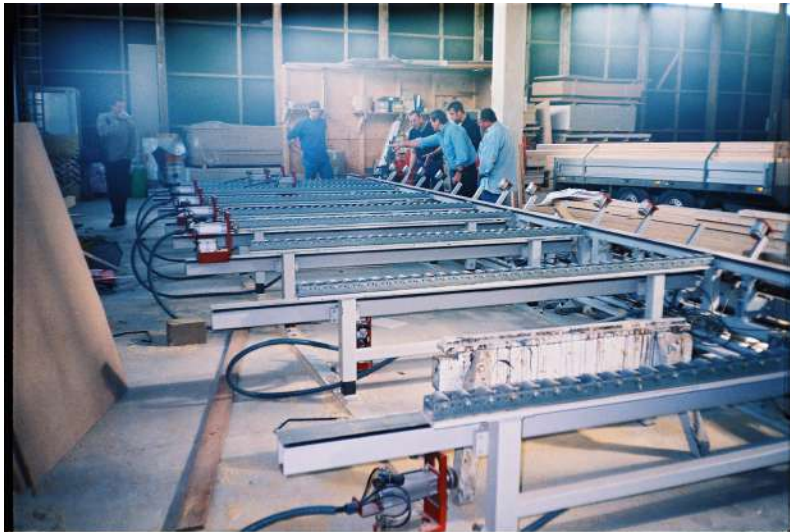
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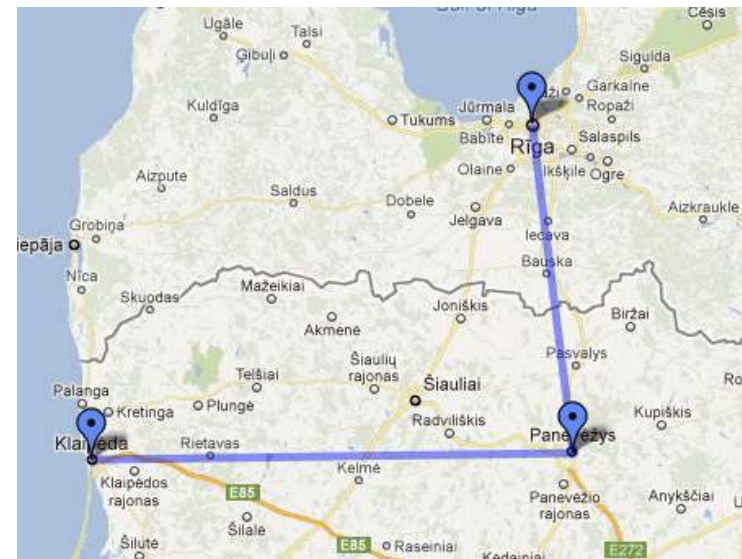
General information

- Ekobustas was found in 1998 with the partnership with German company.
- At first, we only exported to Germany, but soon expanded to other countries.
- We have entered northern markets in 2007: Iceland, Norway and Denmark.
- Our main focus is **quality, flexibility**, work with **customized projects** and **best communication** with our customers and partners.



Our export countries

- Ekobustas has working experience in 7 different countries:
 - Lithuania,
 - Norway,
 - Sweden,
 - Germany,
 - Iceland,
 - France,
 - Denmark.
- Our factory is located in Panevezys which is a perfect location for exporting:
 - three main airports around: Vilnius (Lithuania), Kaunas (Lithuania) and Riga (Latvia) for **meetings**,
 - **2-4 days** to transport production to Norway, Sweden, Germany, Denmark, Italy or France,
 - both regional ports Klaipeda (Lithuania) and Riga (Latvia) are easily accessible for **exporting overseas**.
- 100% of our production is exported to foreign countries.



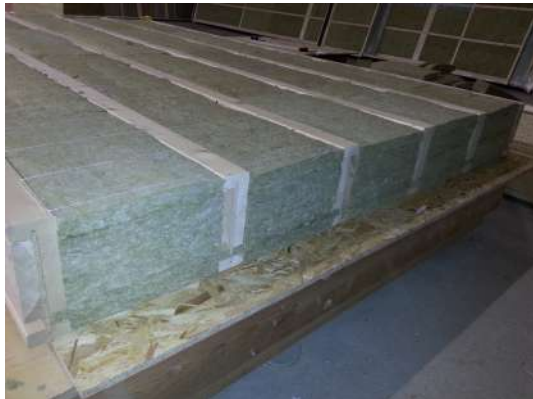
Production

- Ekobustas can produce up to 30 houses per year, depending on their size.
- We produce individual element houses **according to our customer's plans**.
- Fully custom traditional country styling options are available and known to our company.
- Our production strictly follows country-specific building standards and rules for construction (e.g. *SINTEF for Norway, RAL for Germany and other*).



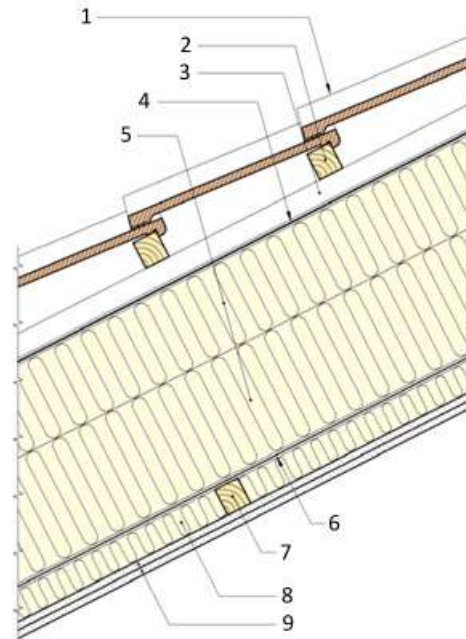
Production (2)

- We are using **Swedish technology** semi-automatic cross cutting undertable saw “**Randek SPL**” to achieve the accuracy of the elements.
- Specialized **Swiss technology** pneumatic and **German technology** hydraulic assembly tables are used in the assembly halls to connect the frame of the elements.
- Factory is active in **LEAN manufacturing** developments by organizing its order and production flow according to the main principles of effective manufacturing.
- We can produce up to 12 meters long prefabricated elements with unlimited number of customizations on demand.

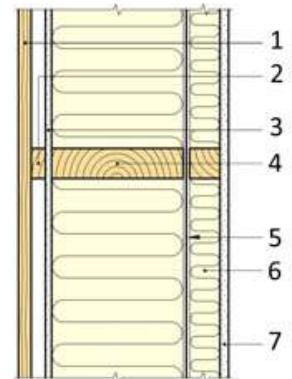


Technology

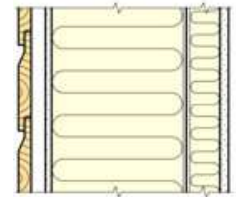
- We are able to customize our production according to your project and specifications. Elements are prefabricated to the highest level possible with electricity boxes and tubes preinstalled if needed.
- Ekobustas follows **strict standards** and requirements for different wooden house elements technologies (e.g. *TEK10 in Norway, RAL in Germany etc.*).
- We have developed five technology classes for easier choice on the requirements for the house:
 - **Passive house**, 40+cm insulation (U-value: $<0,10 \text{ W/m}^2\text{K}$)
 - **Energy+ class**, 35-30cm insulation (U-value: $0,13 \text{ W/m}^2\text{K}$)
 - **Energy class**, 30-25cm insulation (U-value: $0,16 \text{ W/m}^2\text{K}$)
 - **Standard class**, 25-20cm insulation (U-value: $0,19 \text{ W/m}^2\text{K}$)
 - **Economy class**, 20-15cm insulation (U-value: $0,22 \text{ W/m}^2\text{K}$)
 - **Holiday class**, 15-10cm insulation (U-value: $0,25 \text{ W/m}^2\text{K}$)



Roof construction example



Horizontal section



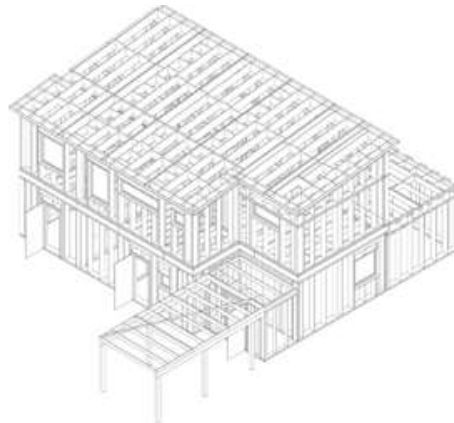
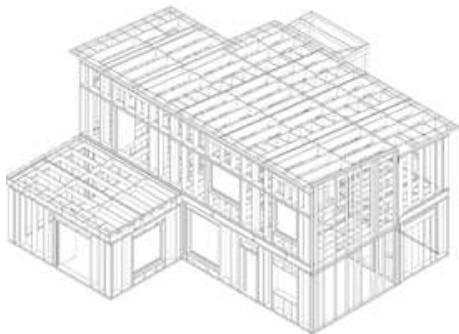
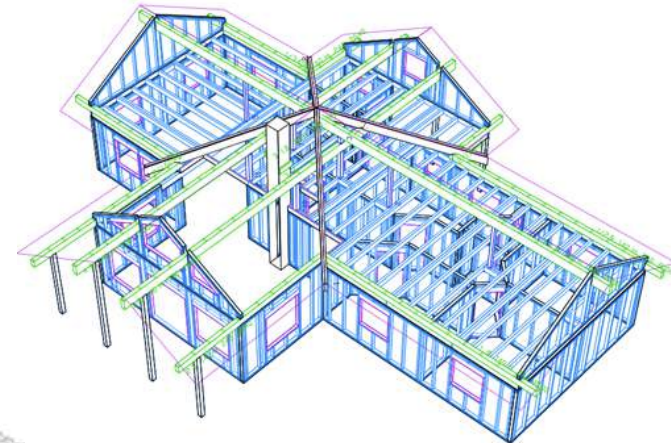
Vertical section

Walls construction example



Construction drawings

- We use one of the most advanced German software for wooden houses projection – **SEMA**.
- Construction drawings are used for house production and show how the house will be constructed.
- Full specification of the house is provided: used materials documentation with static calculations according to house altitude and location.
- It usually takes up to 2-4 weeks to make house construction drawings.



Materials & additional supplements

- We use the highest quality **CE** (Conformité Européenne) certified materials from world known brands in our production.
- **Only graded C24** timber is used in the construction.
- Windows with Scandinavian certification (NDVK, DVV) are used in the production. Wooden, wooden with aluminum casing or PVC options are available.
- Other supplementary products such as stairs, flooring, inside doors, chimneys, stoves and other are also possible to be included on demand.



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DANSK
VINDUES
VERIFIKATION



Transportation

- We provide transportation services for our production.
- Standard 100 square meter house requires approx. less than 2 trucks for transportation.
- Our large range of transportation suppliers are able to provide competitive pricing on your location.
- The house is insured during the transportation.



Assembling

- We also provide assembling services.
- It is possible to start assembling even during the winter time.
- Usually it takes around **2-4 weeks** to assemble the house with the crew of 3-4 people.
- We completely close and finish the house from outside and can offer different level of finishes inside.



Get offer

- We easily provide our preliminary commercial offer in 3-5 working days, when we have this information:
 - good architectural drawings, preferably in AutoCAD (dwg),
 - house materials description:
 - insulation level in roof, exterior walls;
 - type of windows;
 - type of interior/exterior decoration;
 - type of roof finishing;
 - information about any additional materials.



1.
COMMERCIAL
OFFER



2.
PRODUCTION
DRAWINGS



3.
PRODUCTION



4.
TRANSPORTATION



5.
MONTAGE



Example reference projects - Norway

Project description:

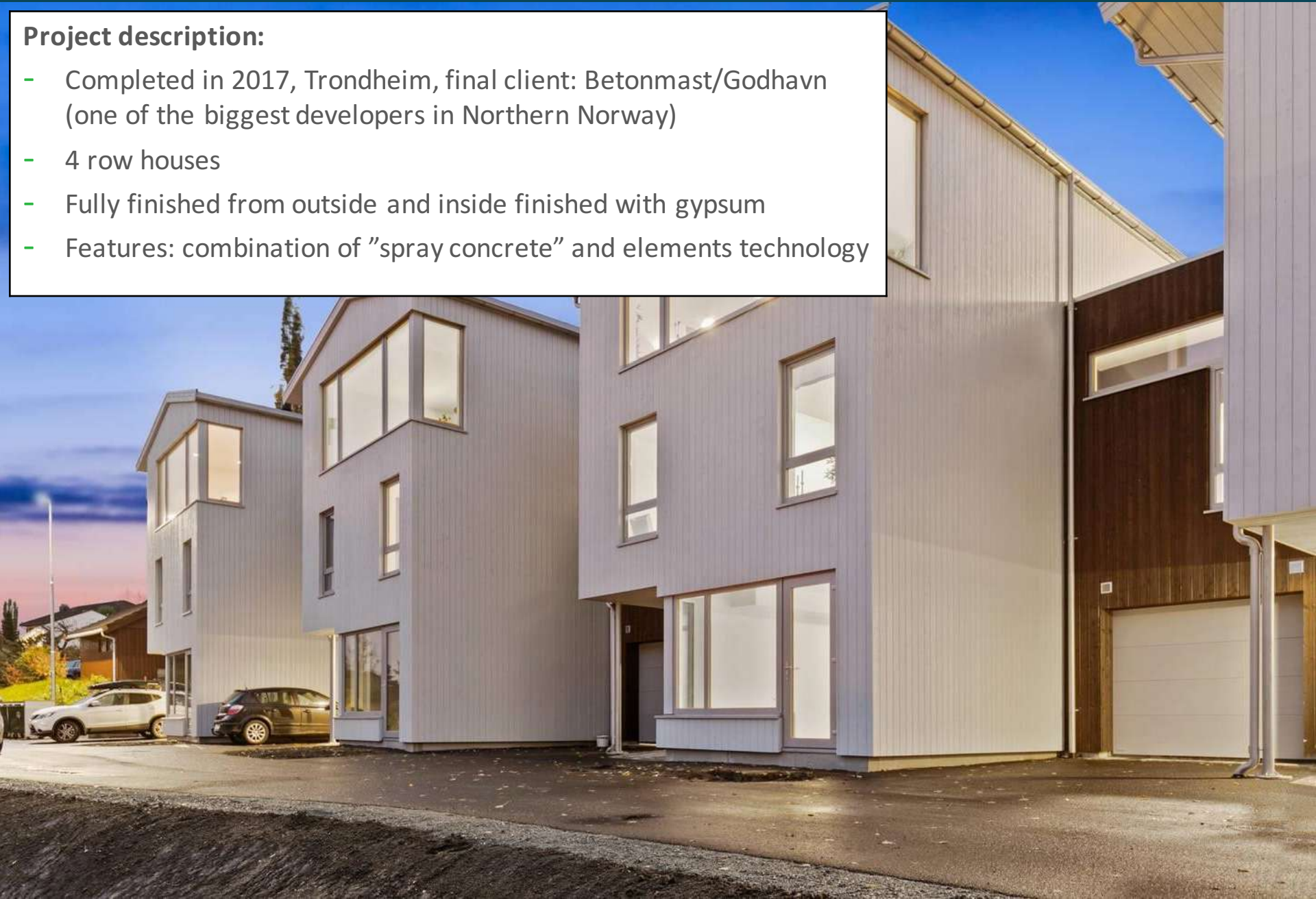
- Completed in 2016, Bronnoysund, final client: Husbanken and Bronnoysund commune (governmental project)
- 16 apartments
- Fully finished from outside and inside finished with gypsum
- Features: larch with Jernvitrol façade, supplied furniture, internal doors, steel fences and stairs externally



Example reference projects - Norway

Project description:

- Completed in 2017, Trondheim, final client: Betonmast/Godhavn (one of the biggest developers in Northern Norway)
- 4 row houses
- Fully finished from outside and inside finished with gypsum
- Features: combination of "spray concrete" and elements technology



Example reference projects - Sweden

Project description:

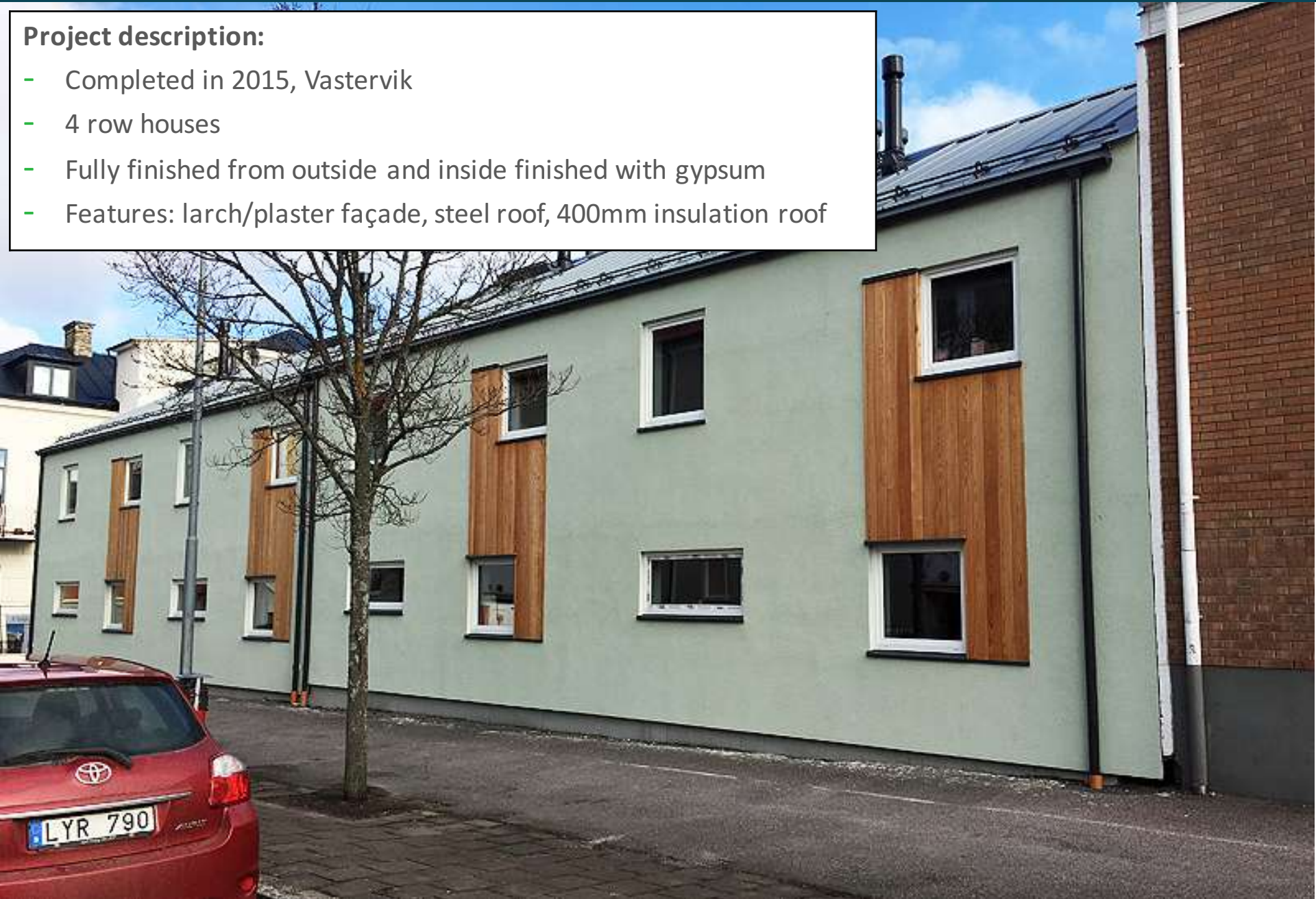
- Completed in 2016
- 6 row houses
- Fully finished from outside and inside finished with gypsum
- Features: horizontal painted and natural larch façade, chimney and stove installations



Example reference projects - Sweden

Project description:

- Completed in 2015, Vastervik
- 4 row houses
- Fully finished from outside and inside finished with gypsum
- Features: larch/plaster façade, steel roof, 400mm insulation roof



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Example reference projects - Norway



Project description:

- Completed in 2014, Rauland
- Residential house – 160 m²
- Fully finished from outside, TEK10 standard
- Features: special tinted wooden with aluminum casing windows, triangle roof construction

Example reference projects - Norway



Rauland, 2014

Example reference projects - Norway

Project description:

- Completed in 2014, Oslo
- Funkishus 170 m²
- Fully finished from outside, **TEK15** standard (low-energy house)
- Features: I-beams roof with 450mm insulation, wood/plaster façade, special steel balcony



Example reference projects - Norway

Project description:

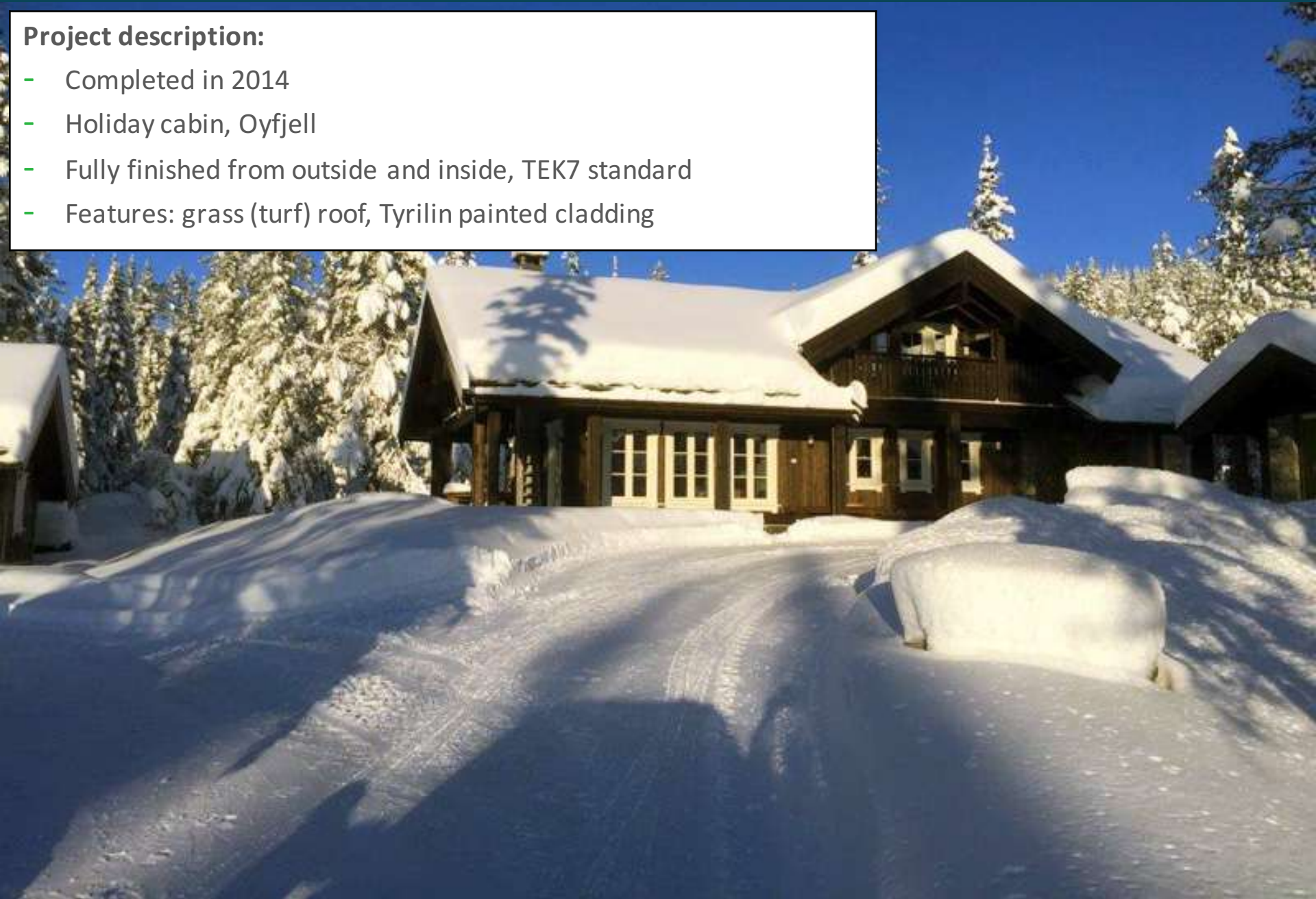
- Completed in 2013, Frederikstad
- Holiday house – 110 m²
- Fully finished from outside and inside
- Features: Jernvitrol treated cladding, painted white cladding inside



Example reference projects - Norway

Project description:

- Completed in 2014
- Holiday cabin, Oyfjell
- Fully finished from outside and inside, TEK7 standard
- Features: grass (turf) roof, Tyrilin painted cladding



Example reference projects - Norway

Project description:

- Completed in 2010, Halden
- Holiday cabin – 135 m2
- Fully finished from outside, TEK7 standard
- Features: concrete tiles roof, "Vilmarkspanel" outside



Example reference projects - Norway

Project description:

- Completed in 2008, Rauland
- 3 holiday cabins – 140 m2 each
- Fully finished from outside and inside, TEK7 standard
- Features: grass (turf) roof, "Vilmarkspanel" outside



Example reference projects - Norway

Project description:

- Completed in 2008, Rauland
- 3 holiday cabins – 140 m2 each
- Fully finished from outside and inside, TEK7 standard
- Features: grass (turf) roof, "Vilmarkspanel" outside



Example reference projects - Iceland

Information:

- exported 57 houses;
- all with full outside Siberian larch decoration;
- developed standard production process for fast export and assembly;
- transportation using sea freight with ship containers;
- local assembling.



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Example reference projects – Germany

Information:

- exported 40+ houses;
- fully different, individual residential projects;
- local assembling;
- produced more than 4000 m² of “brettstapeldecke” (ceiling elements).



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THANK YOU FOR YOUR ATTENTION

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