Estonia is a wood country. Almost half of our territory is covered in forest, and forests and wood have put bread on our table since the beginning of times. Wood has been our main building material, the knowledge of using it in construction has been passed on from generation to generation and today we have the skills and knowledge of how to use wood to build well, sustainably and economically.

We use wood a lot in building all over the world. Wooden houses produced in Estonia can be found from America to Japan and from Iceland to Australia. We are the biggest exporters in Europe in terms of money and produce the biggest number of wood houses per capita in the world.

People usually think of wooden houses as cosy farmhouses in the midst of fields and forests, but we actually offer a variety of options. The prefab house competition and the references in this book show that Estonian plants produce prefab houses for a number of purposes – public saunas, nursery schools, schools, social buildings, blocks of flats and many nice homes, summer cottages and garden houses. The highest wooden house in the world is being built in Norway, but it was designed and produced in Estonia.

The Estonian wooden house sector is strong and professional, and we know the best ways to design, produce and build wooden buildings.

Sven Mats
The chairman of the board of the EWA
The managing director of AS Matek
ESTONIA is situated on the Baltic Sea in Northern Europe. It is seen as one of the world’s leading innovator within the ICT sector, set against a backdrop of untouched nature and rich medieval heritage. Along with Finland and Sweden, Estonia boasts one of the highest proportions of forested land in the world. Forest management and wood production are particularly important to the local economy.

For hundreds of years the most common building material in Estonia has been wood, which despite historical, climatic and cultural challenges continues to prove its resilience in the old houses that still exist today. The Scandinavian countries, which we consider role models in many sectors, are increasingly utilising and valuing wood as a construction material, since it has positive characteristics that cannot be copied synthetically. There have also been innovations in the construction of timber houses in the last twenty years that allow us to build very quickly, to a high degree of quality and in an environmentally friendly way. Such innovations are encapsulated in the concept of the ‘prefabricated house’.

Manufacturing of timber houses started developing in Estonia in the 1950s. Since then it has become one of the key industries in the country: 146 enterprises operate in the sector, whose annual turnover is approx. 270 million euros. Around 90% of the timber houses produced in Estonia are exported, making it the number-one exporter in this field in the European Union based on annual turnover.

www.estonia.eu

ESTONIAN PREFAB HOUSES
Designed and built in a climate-controlled environment, all Estonian prefab houses are subjected to a variety of quality and third-party inspections to ensure that they are as good as they can possibly be. The houses are built using the latest construction technology and are designed to be energy-efficient – saving you money on bills every month.

Prefab houses are delivered up to 90% complete; construction is rarely delayed due to bad weather, subcontractor no-shows or missing materials. With careful planning you could be living in your new, custom-built prefab house in a matter of weeks. And although completed quickly, high-quality materials and careful attention to detail form part of every house.

A wide range of modular house plans are available to choose from, and there are many options that will help you customise your house to suit your tastes. Whether you’re looking for a home or a communal building, for personal or social use, we can meet your needs.

PREFAB HOUSE OF THE YEAR
The EWA and the EWHC launched this competition so as to recognise the best manufacturers of timber houses and to more broadly popularise construction using timber. It is held annually, with nominations open to any building produced in Estonia whose central structure is made from timber, regardless of its location.

The competition was held for the fifth time in spring 2015. A record number of nominations were received – 36 prefab houses in Estonia, Sweden, Norway and other countries, with the farthest-flung being an animal clinic in Japan.

As per tradition, the nominees were judged by an international jury comprising recognised architects, engineers and journalists. They awarded special prizes to the best hand-crafted and machined log houses, to the best garden house and to the best timber-frame house. The overall title of Prefab House of the Year was awarded to the nominee that received the highest number of points. A variety of special prizes were also presented by partners of the EWA and EWHC.

You’re holding in your hands a catalogue that features all of the Prefab House of the Year nominees between 2010 and 2015. It reflects the fact that the manufacturing of such houses in Estonia has developed – and continues to develop – from year to year. This is thanks to the dedication and hard work of our producers, ensuring that their houses meet the requirements of even the most demanding customers.

See you in an Estonian timber house!
Timber frame element houses
Total area: 70–90 m²
Architect: Trilog Studio OÜ
Engineer: Nordic Houses KT OÜ
Year: 2014/2015

Award by
Aru Grupp AS
School building in England
Timber frame element house
Total area: 2803 m²
Architect: Toril Kolstad, ARCASA arkitekter AS
Engineer: Kodumaja Projekteerimise OÜ
Year: 2014
Award by
PREFAB HOUSE OF THE YEAR 2015   3rd PRIZE

Kodumajatehase AS
Student residence in Norway
Timber frame element house
Total area: 2803 m²
Architect: Toril Kolstad, ARCASA arkitekter AS
Engineer: Kodumaja Projekteerimise OÜ
Year: 2014
Award by

EstNor OÜ
Apartment building in Norway
Element house
Total area: 790 m²
Architect: Torleif Vårdal, Ülle Maiste
Engineer: Kristjan Tepner
Year: 2014
Awards by
PREFAB HOUSE OF THE YEAR 2015   2nd PRIZE
Handcrafted log house
Total area: 121 m²
Architect: Lauri Nõmme
Engineer: Vallo Gorošhko
Year: 2012
Award by

Handcrafted Log House of the Year 2015

Machined log house
Total area: 1300 m²
Architect: Cabinco Ltd
Engineer: Aru Grupp AS, Cabinco Ltd
Year: 2013
Award by

Machined Log House of the Year 2015

Aru Grupp AS
School building in England

OÜ Tender Ehitus
Holiday home in Estonia
Hobbiton Home OÜ
Residential house in Finland

Total area: 195 m²
Architect: Jani Lahti
Engineer: Ilmar Kalk
Year: 2014
Award by Senco

Handcrafted log house
Total area: 157.5 m²
Architect: Eneli Markvart, Marit Kruus
Year: 2014

Sense OÜ
Passive house in Estonia

Total area: 157.5 m²
Architect: Eneli Markvart, Marit Kruus
Engineer: Sense OÜ
Year: 2014
Award by Senco

Timber frame house
Total area: 157.5 m²
Architect: Eneli Markvart, Marit Kruus
Engineer: Sense OÜ
Year: 2014
Award by Isover

OUTSTANDING USE OF TIMBER AWARD

ENERGY EFFICIENCY AWARD

Photos by Maris Tomba
Vipson Projekt OÜ
Residential house in Estonia

Handcrafted log house
Total area: 134 m²
Architect: Reio Treier
Engineer: Reio Treier
Year: 2014

Awards by

Timbeco Woodhouse OÜ
Residential house in Estonia

Element house
Total area: 155.7 m²
Architect: Keiu Tulev
Engineer: Erkki Aug
Year: 2014

Awards by
GARDEN HOUSE OF THE YEAR AWARD

AS Palmako
Garden house Heidi

Machined log house
Total area: 19.7 m²
Architect: Argo Palm
Year: 2013

Award by GARDEN HOUSE OF THE YEAR AWARD

AS Palmako
Playhouse Tom

Element house
Total area: 3.8 m²
Architect: Argo Palm
Year: 2014
AS Ritsu
Home model Fernando

Machined log house
Total area: 77.6 m²
Architect: Endel Kuus
Engineer: Endel Kuus
Year: 2014

Award by

AS Ritsu
Home model Fernando

Timber frame element house
Total area: 73.9 m²
Architect: Roomet Raig
Engineer: Ilmar Sallo
Year: 2013
Handcrafted log house
Total area: 165 m²
Architect: Kari Paasonen
Engineer: Janek Sakkis
Year: 2013

ELH Palkehituse OÜ
Holiday home in Finland

Timber frame house with a foundation
Total area: 59 m²
Architect: L.Raun
Engineer: S.Hantsom
Year: 2015

Akso-Haus OÜ
Modular home Mai
Handcrafted log house
Total area: 61 m²
Architect: JF-ARKKITEHTUURI Oy, Jarmo Fäldt
Engineer: Matti Rätto, Janek Sakkis
Year: 2013

Element house
Total area: 580 m²
Architect: Torleif Vårdal, Ülle Maiste
Engineer: Kristjan Tepner
Year: 2014
Finnlamelli Eesti OÜ
Residential house in Estonia
Machined log house
Total area: 302,4 m²
Architect: Nikolai Volkov
Engineer: Finnlamelli Eesti OÜ
Year: 2014

Finnlamelli Eesti OÜ
Mountain chalet in Norway
Machined log house
Total area: 149,1 m²
Architect: V. Baškirov
Engineer: Finnlamelli Eesti OÜ
Year: 2014

Finnlamelli Eesti OÜ
Residential house in Estonia
Machined log house
Total area: 302,4 m²
Architect: Nikolai Volkov
Engineer: Finnlamelli Eesti OÜ
Year: 2014

Finnlamelli Eesti OÜ
Mountain chalet in Norway
Machined log house
Total area: 149,1 m²
Architect: V. Baškirov
Engineer: Finnlamelli Eesti OÜ
Year: 2014
GG-Group DÜ / PÄRNU LOG HOMES®
Holiday apartments in Sweden

Machined/handcrafted log house
Total area: 350 m²
Architect: Louise André, ÅRE ARKITEKTBYRÅ
Engineer: Aivar Peeker, Indrek Tammik, Riho Shahov, Raiko Gustavson
Year: 2015

Greentec Houses DÜ
Apartment building in Norway

Timber frame house
Total area: 264 m²
Architect: Frank Kalfoss
Engineer: Johnny Kjelsberg
Year: 2014
Greencube OÜ
Modular house
Modular sauna

Timber frame house
Total area: 20 m²
Architect: Ove Rae
Engineer: Artest Project OÜ, Ove Rae
Year: 2014

Timbeco Woodhouse OÜ
Timber external wall elements for concrete building in Norway
Architect: Lund Hagem Arkitekter, Atelier Oslo
Engineer: AF ROGALAND ENTREPRENØR
Year: 2014
Harmet OÜ
Apartment building in Norway

Modular house
Total area: 2748 m²
Architect: Romerike Arkitekter
Engineer: Toomas Kuus
Year: 2014

Komforthus Eesti OÜ, Pinska OÜ
Semi-detached house in Norway

Timber frame element house
Total area: 337 m²
Architect: Stavseth & Lervik Arkitekter AS, Anne Valing (Komforthus AS)
Engineer: Agas OÜ, Inseneribüroo Pluss
Year: 2014
Matek AS
Terraced houses in Norway

Photos by Maris Tomba

Timber frame element house
Total area: 523 m² and 872 m²
Architect: Leon Hansen
Engineer: Jaroslav Polovnikov
Year: 2014

Matek AS
Apartment building in Norway

Timber frame element house
Total area: 598 m²
Architect: Hus Arkitekter AS Norway
Engineer: Dina Lavernchuk
Year: 2015
AS Merwood
Holiday homes in Sweden

Timber frame element house
Total area: 168 m²
Architect: Magnus Knutsson
Engineer: Egon Valge
Year: 2015

Q-haus Baltic OÜ
Residential house in Norway

Timber frame element house
Total area: 175 m²
Architect: Shah Goran
Engineer: L. Soosaar
Year: 2012
Seve Ehituse AS
Villa Arne in Norway

Timber frame element house
Total area: 229 m²
Architect: Arkhaus, Alexander Kupz
Engineer: Mihhail Smolov, Vello Enniste
Year: 2014

Seve Ehituse AS
Residential house in Estonia, energy-plus house

Timber frame element house
Total area: 153.8 m²
Architect: Henri Liismaa
Engineer: Mihhail Smolov, Vello Enniste
Year: 2014
Varola OÜ
Residential house in Estonia

Machined log house
Total area: 215 m²
Architect: Jaano Junson
Engineer: Jaano Junson
Year: 2014

Varola OÜ
Cottage model Violetta

Machined log house
Total area: 36 m²
Architect: Jaano Junson
Engineer: Jaano Junson
Year: 2014
Mountain Loghome OÜ
Animal hospital in Japan
Machined log house
Total area: 120 m²
Architect: Hiroki Murakami
Engineer: Akihiko Ikegawa, Arvi Hiir
Year: 2015

Mountain Loghome OÜ
Semi-detached house in Switzerland
Machined log house
Total area: 293 m²
Architect: Arvi Hiir
Engineer: Rein Karma
Year: 2013
Akso-Haus OÜ, Passion Houses OÜ
Compact living or holiday house

Total area: 81 m²
Architect: Eero Endjärv, Arhitekt11 OÜ
Engineer: Otto Pukk
Year: 2013
Vipson Projekt OÜ
Residential building in Estonia
Total area: 278m²
Architect: Raili Kadarik
Engineer: Taavi Tuvike
Year: 2013

Timbeco Woodhouse OÜ
Mäealuse Hostel in Estonia
Total area: 420m²
Architect: Raul Kull
Engineer: Karel Koitla
Year: 2012

Seve Ehituse AS
Kindergarten in Norway
Total area: 1195m²
Architect: Hus Arkitekter AS
Engineer: Jevgeni Mihhailov
Year: 2013

Ritsu AS
Residential house in Switzerland
Total area: 137m²
Architect: Kaarel Elbrecht, Ritsu AS
Engineer: Ritsu AS
Year: 2012

Nordic Houses KT OÜ
Residential house in Norway
Total area: 304m²
Architect: Jone Vistnes
Engineer: V. Kirves, L. Marcinkus, S. Kavaliauskas
Year: 2013

Matek AS
nZEB test house in Tallinn
Total area: 112m²
Engineer: Raivo Kulaots
Year: 2013

Nordic Houses KT OÜ
Mäealuse Hostel in Estonia
Total area: 420m²
Architect: Raul Kull
Engineer: Karel Koitla
Year: 2012

Seve Ehituse AS
Kindergarten in Norway
Total area: 1195m²
Architect: Hus Arkitekter AS
Engineer: Jevgeni Mihhailov
Year: 2013

Vipson Projekt OÜ
Residential building in Estonia
Total area: 278m²
Architect: Raili Kadarik
Engineer: Taavi Tuvike
Year: 2013
Mattek AS
Apartment building in Norway

Total area: 1891m²
Architect: Helge Aarstad,
Enerhagen Arkitektkontor AS
Engineer: Tanel Nurk
Year: 2012

Seve Ehituse AS
Residential building in Finland
Total area: 234m²
Architect: Inga Sõelsepp
Engineer: Kaur Ilives
Year: 2011

Kodumaja AS
Assisted living building in Denmark
Total area: 3995m²
Architect: ONV Arkitekter
Engineer: Kodumaja Projektseimise OÜ
Year: 2011

Kodumaja AS
Apartment buildings in Denmark
Total area: 9040m²
Architect: ONV Arkitekter
Engineer: Kodumaja Projektseimise OÜ
Year: 2012

Matek AS
Apartment building in Norway

Total area: 1891m²
Architect: Helge Aarstad,
Enerhagen Arkitektkontor AS
Engineer: Tanel Nurk
Year: 2012

Seve Ehituse AS
Residential building in Finland
Total area: 234m²
Architect: Inga Sõelsepp
Engineer: Kaur Ilives
Year: 2011

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Assisted living building in Denmark
Total area: 3995m²
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Engineer: Kodumaja Projektseimise OÜ
Year: 2011

Kodumaja AS
Apartment buildings in Denmark
Total area: 9040m²
Architect: ONV Arkitekter
Engineer: Kodumaja Projektseimise OÜ
Year: 2012
<table>
<thead>
<tr>
<th>Project Name</th>
<th>Location</th>
<th>Total Area</th>
<th>Architect(s) 1</th>
<th>Engineer(s) 1</th>
<th>Year 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kodumaja AS</td>
<td>Residential housing project in Oslo, Norway</td>
<td>2138m²</td>
<td>FuthArk Arkitekter AS</td>
<td>Meelis Maasikmets, Martti Karjus</td>
<td>2011</td>
</tr>
<tr>
<td>Nordic Houses KT OÜ</td>
<td>Residential building in Norway</td>
<td>150m²</td>
<td>Kristiansen&amp;Bernhardt</td>
<td>Priit Pichen, Tanel Karjus</td>
<td>2011</td>
</tr>
<tr>
<td>Timbeco Woodhouse OÜ</td>
<td>Thermolog™ ecohouse</td>
<td>180m²</td>
<td>Agabus, Endjärv &amp; Truverk Arhitektid OÜ</td>
<td>Ivar Mardin, Karel Koitla</td>
<td>2010</td>
</tr>
<tr>
<td>Hobbiton Home OÜ</td>
<td>Handcrafted log home</td>
<td>210m²</td>
<td>Ulf Backman, Andrus Prangli, Anastassia Senkiv</td>
<td>Illimar Kalk</td>
<td>2012</td>
</tr>
<tr>
<td>Vipson Projekt OÜ</td>
<td>Handcrafted log home</td>
<td>250m²</td>
<td>Jaan Prost-Kängsepp</td>
<td>Väino Aedmaa</td>
<td>2011</td>
</tr>
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<td>Nordic Houses KT OÜ</td>
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<td>Jaan Prost-Kängsepp</td>
<td>Väino Aedmaa</td>
<td>2011</td>
</tr>
</tbody>
</table>
Matek AS
Tammiste kindergarten in Sauga Parish, Estonia
Total area: 1250m²
Architect: Jüri Kliimask
Engineer: Jüri Kliimask
Year: 2010
<table>
<thead>
<tr>
<th>Company</th>
<th>House Model</th>
<th>Total Area</th>
<th>Architect</th>
<th>Engineer</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS Ritsu</td>
<td>Summer house model Ella</td>
<td>113m²</td>
<td>Juhan Lüüs</td>
<td>Ivo Tomson</td>
<td>2009</td>
</tr>
<tr>
<td>AS Ritsu</td>
<td>Home model Marit</td>
<td>90m²</td>
<td>Endel Kruus</td>
<td>Ivo Tomson</td>
<td>2010</td>
</tr>
<tr>
<td>AS Merwood</td>
<td>Vehendi Motel in Estonia</td>
<td>968m²</td>
<td>Jaan Proost-Kängseppe</td>
<td>Tarmo Tigane</td>
<td>2006</td>
</tr>
<tr>
<td>Timbeco Woodhouse OÜ</td>
<td>Holiday house in Estonia</td>
<td>94m²</td>
<td>Üllar Meriste</td>
<td>OÜ Milord</td>
<td>2010</td>
</tr>
<tr>
<td>Timbeco Woodhouse OÜ</td>
<td>Home model ThermoLog ECO 110</td>
<td>110m²</td>
<td>Timbeco Woodhouse OÜ</td>
<td>Timbeco Woodhouse OÜ</td>
<td>2009</td>
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<tr>
<td>OÜ Milord</td>
<td>Holiday house in Estonia</td>
<td>94m²</td>
<td>OÜ Milord</td>
<td>OÜ Milord</td>
<td>2010</td>
</tr>
<tr>
<td>OÜ Milord</td>
<td>Holiday house in Estonia</td>
<td>94m²</td>
<td>OÜ Milord</td>
<td>OÜ Milord</td>
<td>2010</td>
</tr>
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