

STEEL BUILDINGS  
AND COMPONENTS

**BORGA**<sup>®</sup>  
Trouble-free construction



**Our business model** enables us to create customer value by guaranteeing quality, prices and in-time deliveries.



**ADAPTIVE  
COMPREHENSIVE SOLUTION**

...based  
on our

**INNOVATIVE  
BUILDING SYSTEM**



...combined  
with an

**SIMPLE BUILDING  
PROCESS**

...and our  
unique

**CONTROL OF THE  
PRODUCTION CHAIN**



...allows us to  
guarantee

**DELIVERY, PRICE  
AND QUALITY**

**=**

**BORGA<sup>®</sup>**

**Trouble-free construction**

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# STEEL BUILDINGS THAT LAST

**[Borga is simplicity]** in a nutshell. With us, it is easy to choose, buy and build a steel building. The building process is smooth and flexible, and the end result will be exactly as you have imagined. Convenient, trouble-free and durable at the same time.

Borga's turnkey concept means that you avoid expensive middlemen at the same time as gaining a solution-oriented partner who has full control over all the different aspects, from raw materials to final inspected building.

We are there for customers who have considerable experience of building projects, as well as for those who have never built anything before. Either way, Borga is your sole point of contact, regardless of what your steel building is to look like or how it is to work.



**PEDER DAGSÁNTH**  
Founder and CEO, Borga Group

# A BUILDING PROCESS IN FIVE SIMPLE STEPS

**[Borga has complete control]** of the entire building chain. This means that we can guarantee the right quality for your steel building and a price that won't change as the process moves forward. The building will also be completed on time. Complete control from our side, invaluable security for you.

The most convenient way of achieving a complete hall construction is to let Borga take care of everything in the form of general contracting. We supply a turnkey building and assume responsibility for all installations. You can focus on your own work, and we pull all the strings.



1

### Your specifications

A steel building from Borga is always based on your needs, wishes and requirements. Our skilled sales staff will help you to chart all of these aspects in order to take your building project to the next level.



2

### Flexible planning

Once your needs have been charted, the detailed planning process can begin. Borga's experienced project managers and engineers produce all the drawings and documents required for your building permit.



### Modern production

All bearing components, roof sheets and wall cladding for our building system are manufactured in Borga's factories. The frames are welded in our modern, robotised facility.



3



4

### Own assembly teams

An assembly manager from the country in question and a skilled assembly team assemble your building and quality-assure every part. As our assembly teams are specialists when it comes to our products and building systems, you can be sure that the work will be carried out quickly and correctly.

### Finished building

Your steel building is now finished and you have gained a tailor-made building in a short space of time. A final inspection of the steel building is performed by us. At the same time, you receive digital final documentation, including drawings, material specifications and other agreed material.



5

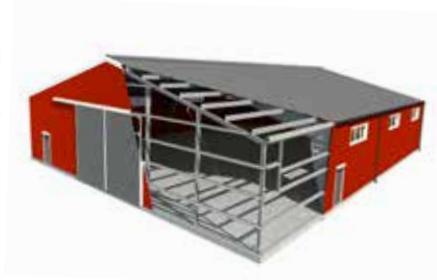


## AN OPTIMAL BUILDING SYSTEM

**[Prefabricated perfection]** never leaves anything to chance. This is something you can rely on in all types of building projects. At the same time, each and every part of the system is rational, flexible and modern. Borga's building system is all of this, and more.

Borga's building system makes it possible to customise a steel building down to the smallest detail. At the other end of the spectrum, the system can also be used with standard components and set dimensions. For us, it makes no difference if you want an insulated, unique industrial hall or a small, uninsulated garage. Borga's frames make it possible to build steel buildings to meet every imaginable need.

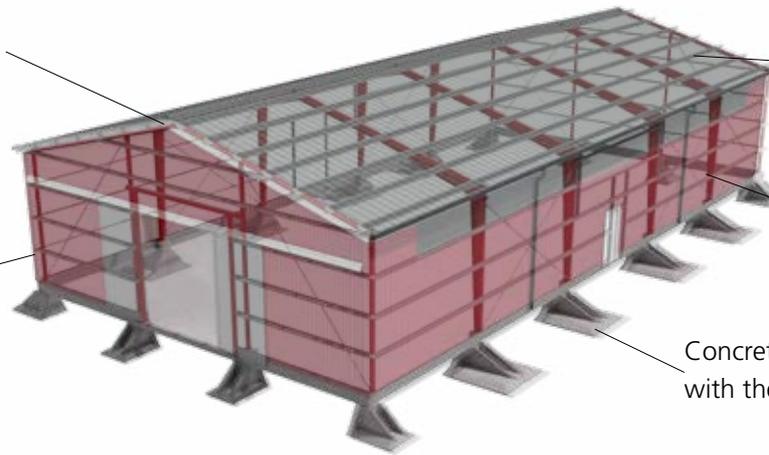
See an overview on all our frames on page 18-19.





Trims such as flashings and bargeboards

Unique **steel frames** for many needs and purposes



Innovative **light beams** for bearing constructions

**Building sheets** for roofs and walls in various versions

Concrete **plinth foundation** with thermal barrier



# TURN-KEY SOLUTIONS FOR MANY BUSINESSES

**[Steel buildings from Borga] are used in several countries and in various sectors.**

Our main segments are industrial, agricultural, commercial and sport, including riding halls. In between there are a great many applications and tailored solutions.

We know that there is a difference between normal sheet halls and steel buildings. At Borga we manufacture all the bearing components in our own factories. As a result, we are responsible for every welded joint and understand the potential of the raw materials.

Our assembly teams also ensure that your steel building is installed quickly, accurately and safely. In short, Borga is a unique hall builder that controls the entire building process.

Convenient for you. Natural for us.

## Options that solve the needs of your buildings

- Insulation and sealing layer systems
- Mezzanine and interior walls
- Membrane or felt roofing
- Fire panels
- Doors and walk-through doors
- Roof safety, ladders and roof avalanche protection
- Transluents for roofs and walls
- Wind nets and perforated sheet
- Wall cladding of sandwich panels or wood
- Smoke hatches





## INDUSTRIAL

Borga understands industry and knows what is required of modern buildings in various sectors. Borga is an industry in itself, after all. We supply hall types for manufacturing industries, workshops, business parks and much more besides.



## AGRICULTURAL

Borga comes from the country and has both feet on the ground. On one side we have long experience of building steel buildings for agriculture, livestock and forestry. On the other we have old-fashioned, honest farmer's common sense.



## COMMERCIAL

Borga is a contracting company that knows how commercial operations work. We understand how the different links in a supplier chain think and act. The result is modern steel buildings for just about all kinds of commerce and service industries.



## SPORTS

Borga enjoys movement and an active life with plenty of sport. We see that sports are important to most of our customers. Borga builds steel halls for various sports and leisure activities. In fact, our building system is exceptionally well suited for the job.



## RIDING

Borga understands equestrian dreams so this may be why our riding halls have become so popular. We are renowned for our well thought-through riding halls and stables. When it comes to riding and stabling, people just don't want anything else than what's best for their horses.



## LOGISTICS

Borga is an international company shipping heavy loads to building sites all over Europe. We understand how vital it is to have a well-functioning logistics solution, whether it concerns a smart warehousing solution or an efficient transshipment point.

# INDUSTRIAL



# AGRICULTURAL



# COMMERCIAL



# SPORTS

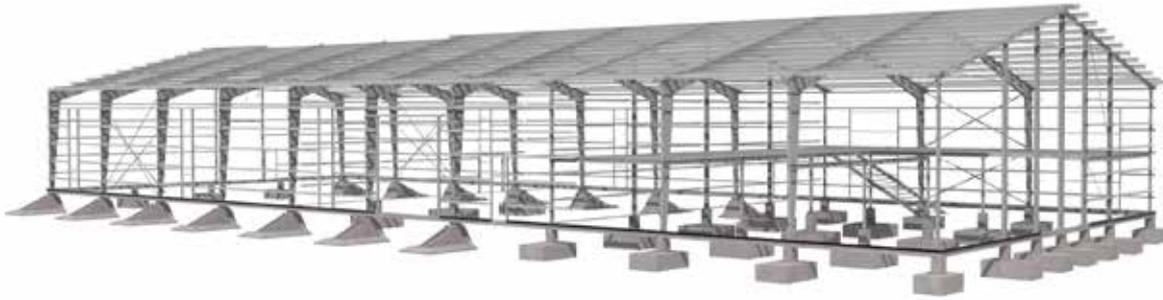


# RIDING



# LOGISTICS





# BORGA'S FRAMES ARE BOTH INNOVATIVE AND ATTRACTIVE

**[The frames in Borga's building] consist of our unique steel frames. We have developed and refined our own design over a vast period in collaboration with Swedish institutes of technology. It is for this reason that we dare to claim that we have the most innovative frame solution on the market.**

The pleated rib of Borga's frames gives your building a personal character in combination with a raft of product benefits, such as low weight, high strength and good overall economy. The latest addition to our innovative selection of frames is our straight column beam with pleated rib.

Borga's frames are available in a number of variants to cover every need, and can be obtained in most colours in the RAL scale. Manufacturing takes place in our own automated production plant in Poland. Borga's frames are developed and designed according to EUROCODE.

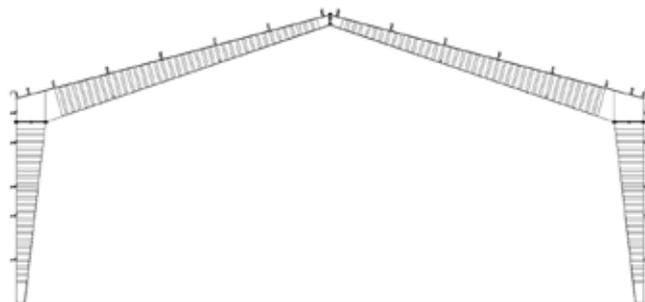
## FRAME TYPES



**Skara** frame with canopy



**Skara** frame with side building



**SKARA** Our most versatile frame is available in different versions for different spans, heights, outbuildings and canopy solutions etc.

Normal span widths:	15-35 m
Standard roof slope:	7°, 15° or 20°
Frame system:	Two or three hinged portal frame
Column foot:	Pinned

**BRNO** A frame that allows a fixed ceiling height in halls with smaller spans. Designed for fast and efficient installation.

Normal span widths:	8-20 m
Standard roof slope:	5-8° (7° recommended)
Frame system:	Dual-pitched beam with hinged connection to pillars
Column foot:	Rigid base



**RIGA** A cost-effective design constructed using hot-rolled beams or our own IPB beams, which allow an economical and fast production.

Normal span widths: 8-18 m  
Standard roof slope: 15°  
Frame system: Hingeless or two hinged portal frame  
Column foot: Pinned or rigid base



**VILNIUS** A framework for buildings with mono-pitched roof such as wood stores, garages or simpler machine halls. The frame is also suitable when the slope of the roof is required in a certain orientation.

Normal span widths: 10-20 m  
Standard roof slope: 7°  
Frame system: Hingeless or two hinged portal frame  
Column foot: Pinned or rigid base



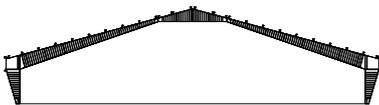
**GDYNIA** A sturdy framework that is widely used in industrial buildings with low roof slope and larger spans. Available with traverse support.

Normal span widths: 20-40 m  
Standard roof slope: 7°  
Frame system: Hingeless portal frame  
Column foot: Rigid base



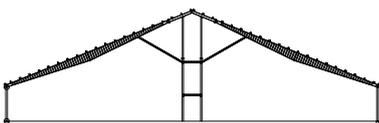
**UDDEVALLA** A frame with high roof slope for warehouses with very large spans.

Normal span widths: 35-50 m  
Standard roof slope: At least 15°  
Frame system: Strap beam with reinforcing braces  
Column foot: Rigid base



**OREBRO** A framework suitable for poultry buildings enabling flat interior walls using sandwich panels and translucent polycarbonate panels in the ceiling.

Normal span widths: 15-35 m  
Standard roof slope: 7°, 15° or 20°  
Frame system: Two hinged portal frame  
Column foot: Rigid base



**GDANSK** A frame construction for very large span widths and large ceiling heights, specifically developed for large livestock stables with a passage between the two centre columns.

Normal span widths: 20-50 m  
Standard roof slope: 15° or 20°  
Frame system: Hingeless or two hinged portal frame  
Column foot: Rigid base



**MALUNG** A frame with a straight rafter for buildings with large span widths and with requirements on large ceiling heights. Suitable for livestock stables, warehouses and sports halls.

Normal span widths: 20-40 m  
Standard roof slope: 7° or 15°  
Frame system: Two hinged portal frame  
Column foot: Pinned



# OWN MANUFACTURE IS OUR BIGGEST ASSET

**[The key to our total offering] is our in-house production of steel components. The combination of innovation, manufacture, planning and assembly means that we can offer quality products and solutions with unbeatable overall economy and secure deliveries. This is what we refer to as having “control of the entire chain”.**

Our production of steel frames takes place in central Poland and is one of Europe’s most modern welding plants. This means that we enjoy cost-effective manufacture with a large capacity, which can be seen from our competitive prices.

## Certified production

From July 2014, workshops and contractors who manufacture and supply bearing components and building kits made from steel in the EU must be certified. Here at Borga we satisfied the new requirements from an early stage and certified our production process even before the regulations had entered into force.

Borga is certified for the production of structural elements for steel buildings according to EN 1090-1 and the requirements in EN 1090-2. This means that our steel constructions are CE marked. Our light beam manufacture is also certified and the light beam is CE marked as an individual product.

Borga’s metal profiles for roof covering and wall cladding are CE marked according to EN 14782:2008.





## **BUILDING COMPONENTS FOR PROFESSIONALS**

**[Borga is more] than just complete steel buildings for various requirements. We also have a wide range of sheets, building elements and building components. The majority of the products are manufactured by Borga. The remainder are carefully selected from renowned suppliers.**

At Borga we like building, regardless of whether this refers to a complete steel building or a part of a building. Borga's range comprises all the important products that are needed to build a new steel building, as well as to renovate roofs and walls on existing buildings. By making our own key products ourselves, we can guarantee good availability and high quality. All the products are selected to work optimally with Borga's building system



### Trims

Our standard range of trims produced in-house includes all the most common variants for walls, roofs, windows and connections of various kinds.



### Roof Safety system

With Borga's roof safety system, you get complete protection and an aesthetically pleasing overall impression through a uniform colour scheme.



### Rainwater system

Borga's range of gutters, pipes and bracket systems includes everything you need for a secure rainwater solution for your building. Made of sheet steel, delivering a hard-wearing structure that offers good strength and withstands the stresses caused by the outdoor environment and the weather.



### Fasteners

Selecting the right screw is not only important for durability, but also for appearance. The screws are made of tempered steel and are electrogalvanised.



### Windows and doors

The choice of windows and doors plays a major role in the appearance of a building, as well as affecting its energy consumption. An installation is therefore often a matter of finding a long-term, economical solution that also includes the cost of purchasing, installation and maintenance.



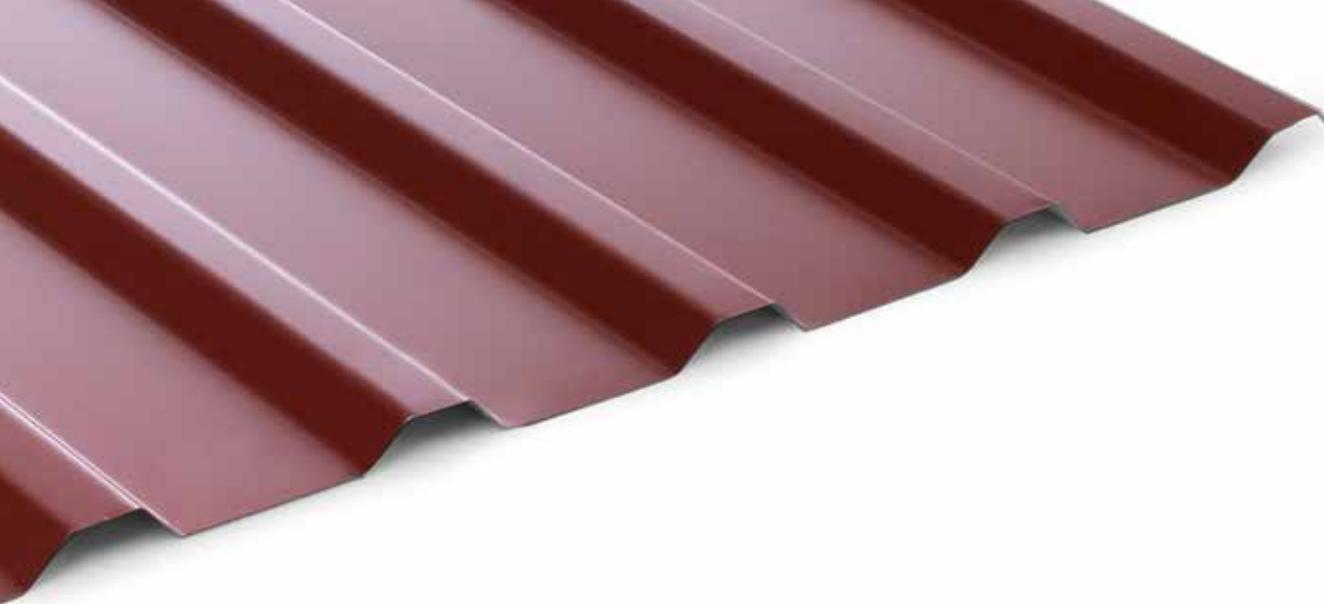


## **BORGA SHEET METAL PROFILES**

**[As we buy raw materials] from leading steel producers, we can guarantee a long technical service life with and steel sheeting retaining its aesthetic appeal. Good raw materials in, good products out. It is as simple as that.**

Our sheet metal benefits from a multilayer construction. The top layer is a wear-resistant polyester that guarantees long-lasting colour and a long service life. Our paint systems are well-proven and protect against corrosion, sun-fading and peeling paint.





BPD 18



BPE 18



Ekonomi



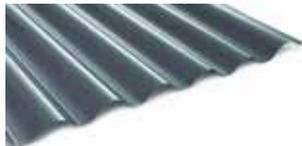
Elegant



Super 40



Sinus



PP 2



TR 128



TR 45



VP 45



VVP 45



EN 1090-1:2012  
EN 10169:2011  
EN 14782:2008



Elegant is a modern and functional roof alternative that is ideal for residential buildings, agricultural buildings and commercial properties. The unique design that makes it possible to achieve a straight eaves line and avoid laying the sheets at an angle. The overlaps lock the sheets, which makes fastening easier.



## FROM BORGA TO THE WORLD

**[Our goal is to offer the most] cost-effective building system on the market, as well as the smoothest, most flexible building process in the sector.**

This may seem an ambitious goal, but Borga is a solutions-oriented company. If we see a problem, we solve it. Our mission is to realize the customer's goal of an affordable and trouble-free construction.

### **Where it started**

The operation that started on the Borga farm in Sweden is now an international company with big ambitions. At Borga, the future has always been more attractive than the past. Because without our curiosity and forward-looking attitude, the company would have been history long ago.

We have always gone our own way and challenged the traditional approach. In other words, Borga has been a pioneer to be reckoned with right from the very first day.

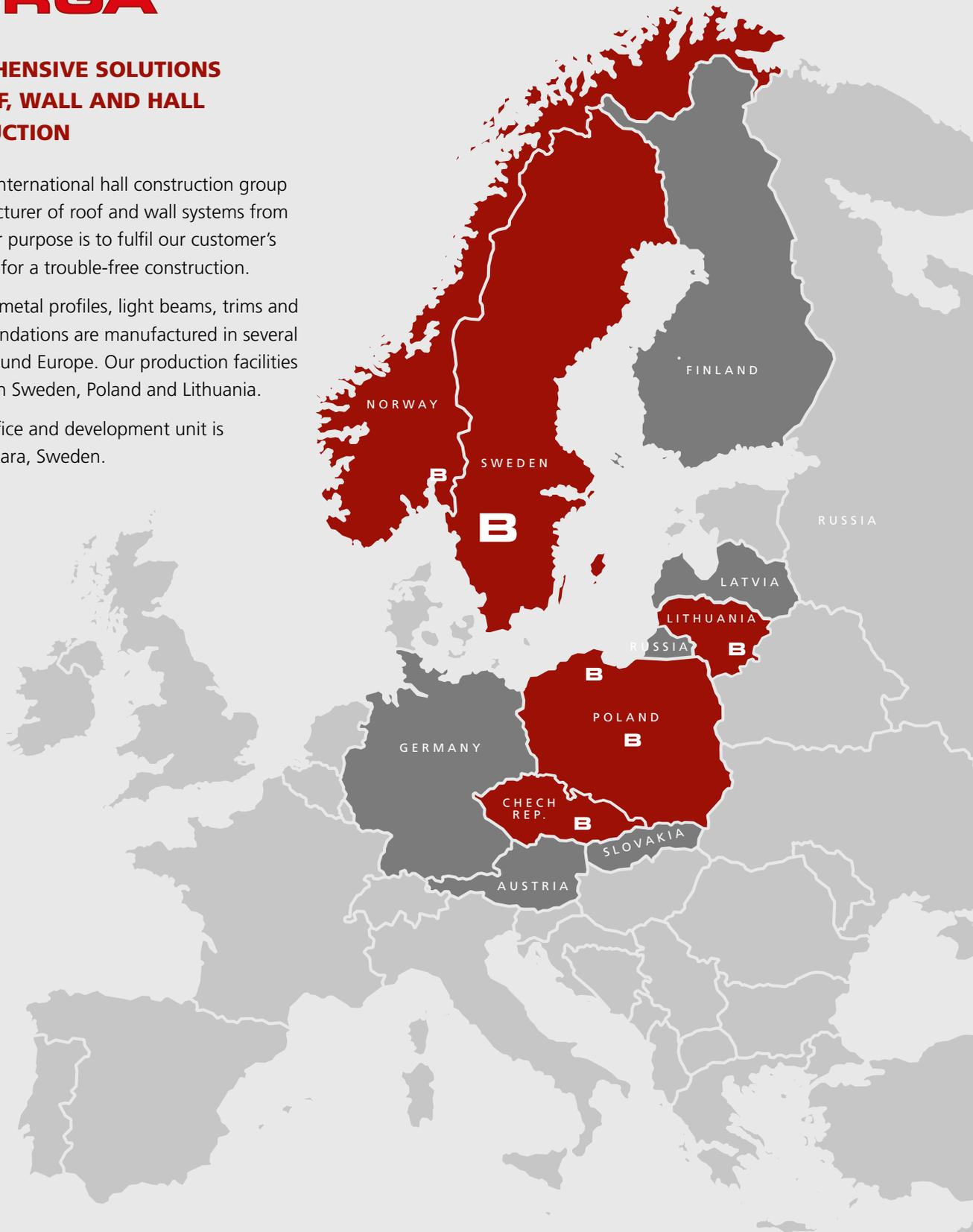


## COMPREHENSIVE SOLUTIONS FOR ROOF, WALL AND HALL CONSTRUCTION

Borga is an international hall construction group and manufacturer of roof and wall systems from Sweden. Our purpose is to fulfil our customer's requirement for a trouble-free construction.

Our frames, metal profiles, light beams, trims and concrete foundations are manufactured in several locations around Europe. Our production facilities are located in Sweden, Poland and Lithuania.

Our head office and development unit is located in Skara, Sweden.



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