

ORTIC GROUP  
ADVANCED ROLL FORMING

In 2001, a German construction company sold a roof design to Charlotte Airport in North Carolina, USA, which proved to be impossible to produce using existing technology

They turned to the Borlänge company ORTIC, which solved the problem by developing a new, unique technology for three-dimensional roll forming

The project marked the beginning of a long customer collaboration and, to date, ORTIC has supplied six machine lines for the supply of roofing around the world

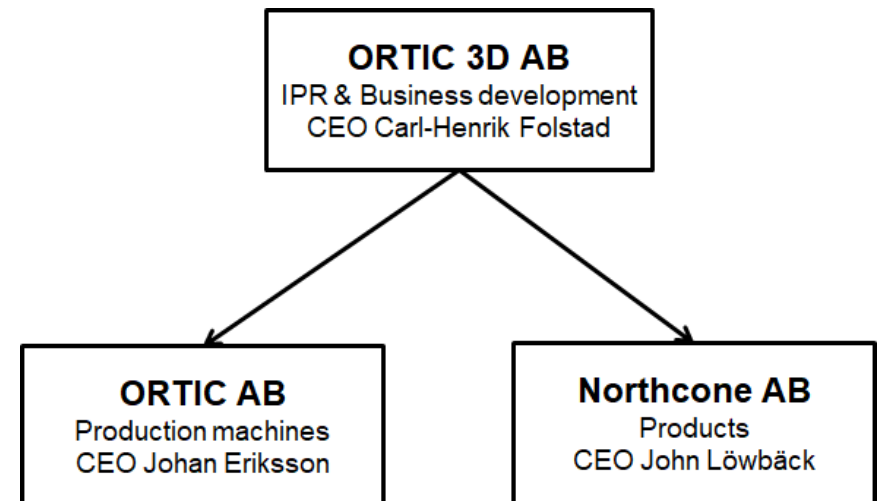


## A Group is formed

- 2001-2005 – Extensive patent portfolio built up to commercialise the technology, including application areas outside of metal roofing
- 2006 - ORTIC Group formed
- 2009 - Northcone AB founded

ORTIC Group is, today, the leading roll forming Group within the Nordic region:

- Largest in Sweden for Machine construction
- First own product launched (lighting column)
- Advanced and unique technical solutions



### **Metal roofing**

- BEMO continues to make use of ORTIC's machines for major building projects, e.g. six Olympic arenas in Athens



### **Automotive**

- ORTIC's machines have manufactured bumpers, and more, for Ford Focus
- Prototype machine has been developed to show the possibilities with the new technology



### **Lighting columns**

- New type of lighting column has been developed and introduced on the market



Replaces conventional technology within applications that use:

- High-strength steel
- Long production series
- Long products
- Coated materials

Experience and patents for unique 3-dimensional roll forming

Create new application opportunities in close collaboration with our customers





Fast production process

Flexibility

- New products
- Changeovers in minutes

Minimizes tooling costs

High automation

- Controlled process
- Rational production



Less usage of:

- Materials
- Energy
- Chemicals
- Transport

Lighter and stronger products

- Easier handling
- Lower fuel consumption
- Higher load capacity

Examples:

- Car frames
- Lighting columns



- ORTIC AB has manufactured over 100 roll forming machines
- World-leading experience of 3D machine lines
- Ongoing projects for new solutions within Infrastructure and Automotive, among others
- Expertise regarding support and customised solutions



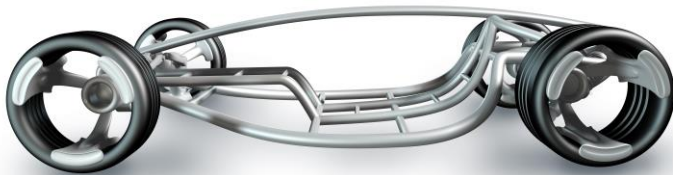


- Crash-safe lighting columns in a new design for every kind of roadway
- Easier handling and transport due to 20-50% less weight
- Longer lifetimes using completely new types of surface coatings
- 10-50% less environmental impact through low material consumption, few processing steps and minimal zink leaching



Today, our technology builds everything  
from roofing to shower floors

What we do in the future will be decided  
by **you**



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