



GWFF

GEOSPATIAL WORLD FORUM

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**The future
is build
of wood**

Severin Alton

Head of IT Rubner Group





Wood Industry



Wooden Homes



Timber Engineering



Wooden Doors & Windows

Our value chain

Building the world of tomorrow with wood

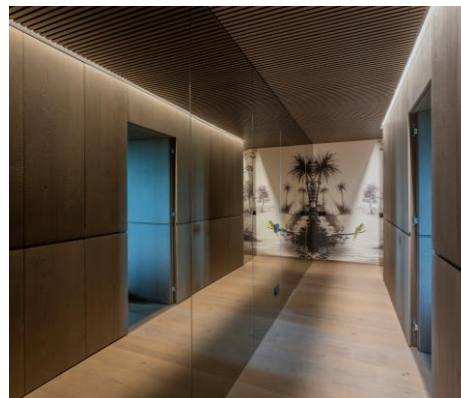
From raw materials to finished buildings, we combine all processes and production steps in a seamlessly organised, innovative and ecologically sustainable value chain.

We know where our wood comes from. We know the forests and landscapes, as well as the people behind them – because we are in direct contact with the suppliers and the forest owners.

This allows us to ensure that the valuable raw material for our projects is always the result of ecologically and socially sustainable forest management.



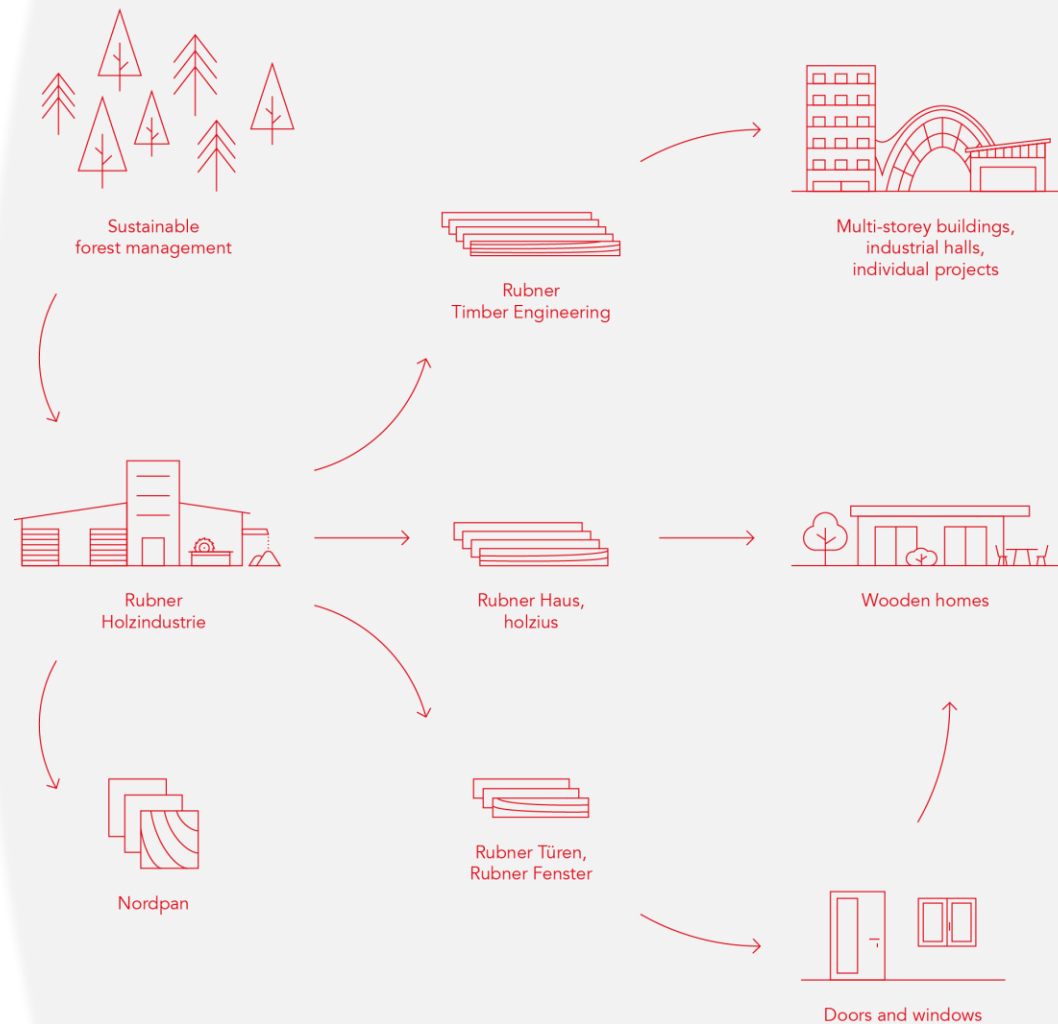






Produced regionally, installed globally

- Our sawmill produces the sawn timber that forms the starting material for the production of glued laminated timber, cross laminated timber, solid wood panels, and solid construction timber, as well as building components, such as structures, wall-, slab- and roof elements.
- Our locations in Italy, Austria, Germany and France use this timber for single family houses and apartment buildings, multi-storey buildings, and industrial buildings as well as individual large-scale structures.
- Windows and doors complete the Rubner Group's product portfolio.

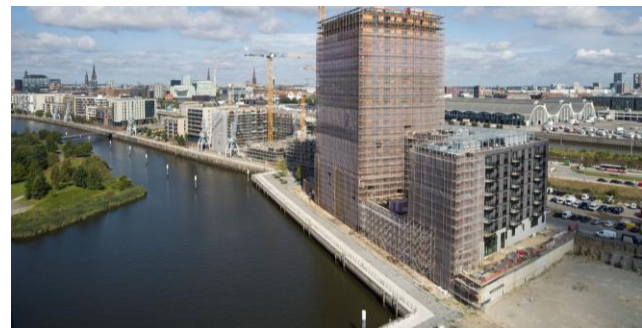




The Essence of Prefabrication

- Prefabrication involves the process of assembling building components, such as facades, wall-, floor-, and roof elements in a factory setting before transporting them to the construction site for assembly.
- Benefits:
 - Efficiency and Speed
 - Quality Control
 - Cost Savings
 - Environmental Impact





Challenges in prefabrication

Different local regulations

Labor Market

Planning Process

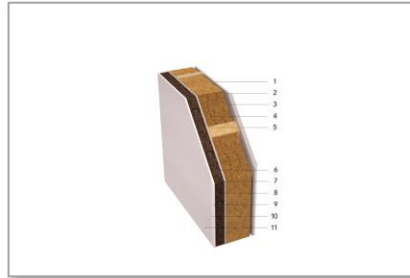
1

We are selling **Projects**



2

We are producing **Products**



3

We are delivering **unique Buildings**



Sales Planning

Project Planning

Assembly Planning

Logistics Planning

Production Planning



Modern Technologies Enhancing Prefabrication

1 Production Planning

- Forecasting and Demand Prediction
- Resource Optimization

2 Quality Control

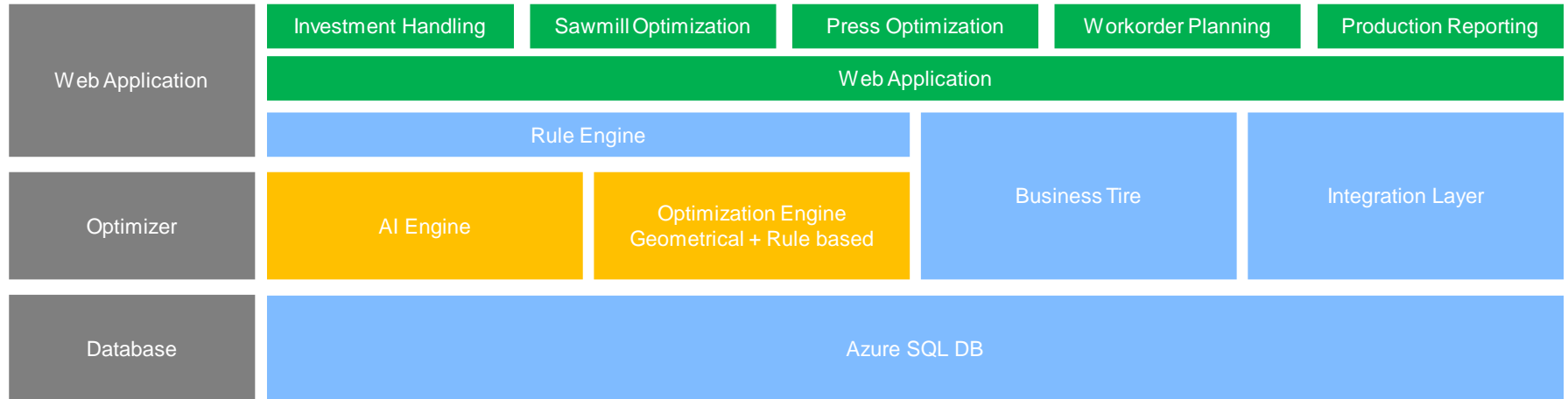
- Product Classification
- Defect Detection
- Real-time Monitoring

3 BIM & Document Management

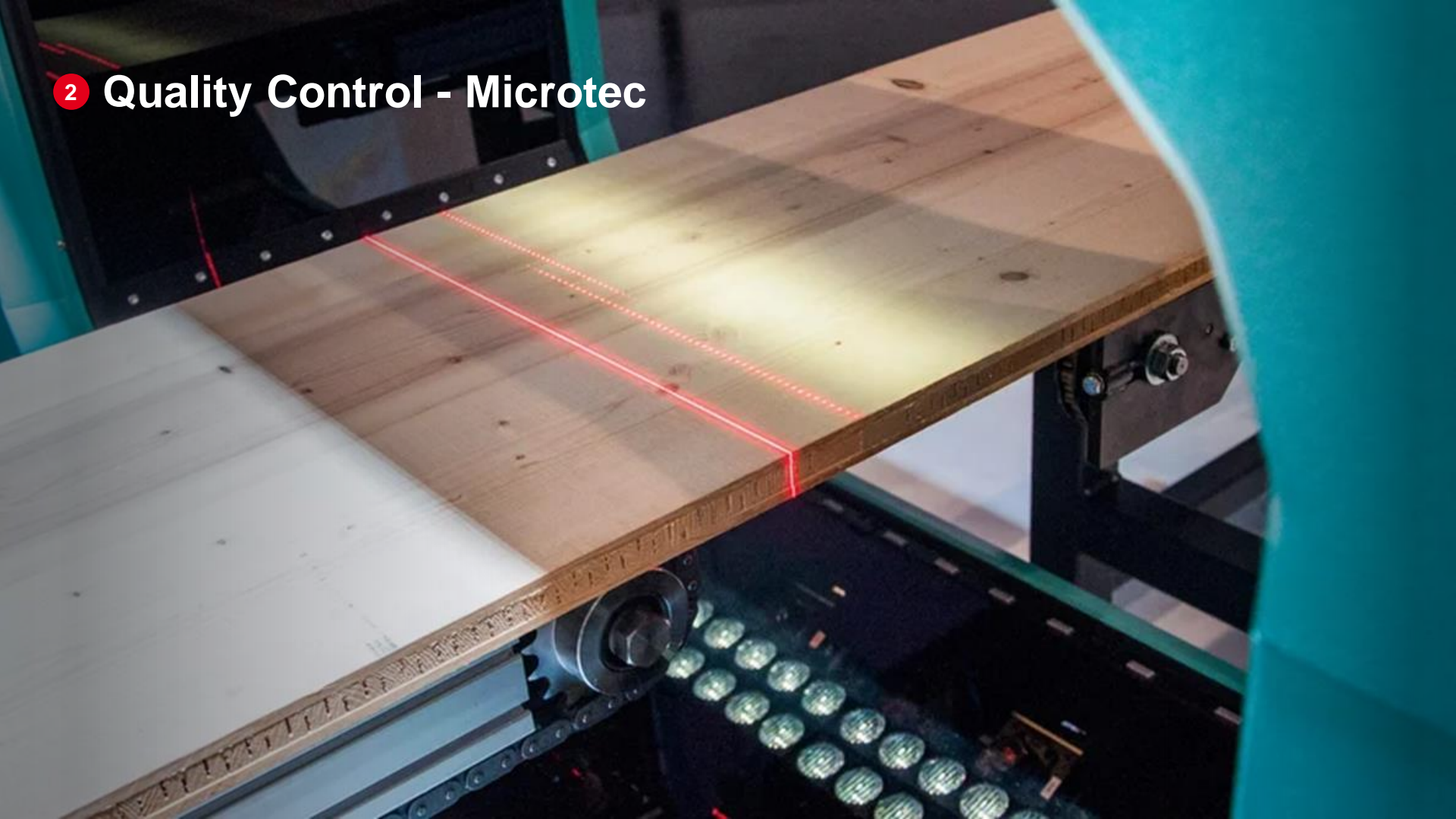
- Automated Document Organization
- Compliance Monitoring
- Data Extraction and Analysis



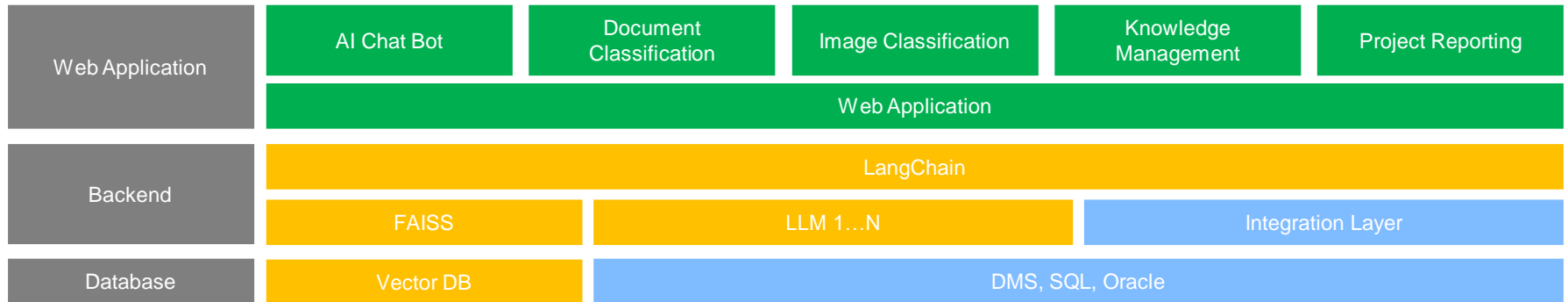
1 Production Planning - Optinex



2 Quality Control - Microtec



3 Document Management – Gen AI





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