

Innovative Precast Technologies

Machinery, Software & Services - Hollow Core Slab Design

By

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PROGRESS GROUP









270 Mio. € Turnover 2021

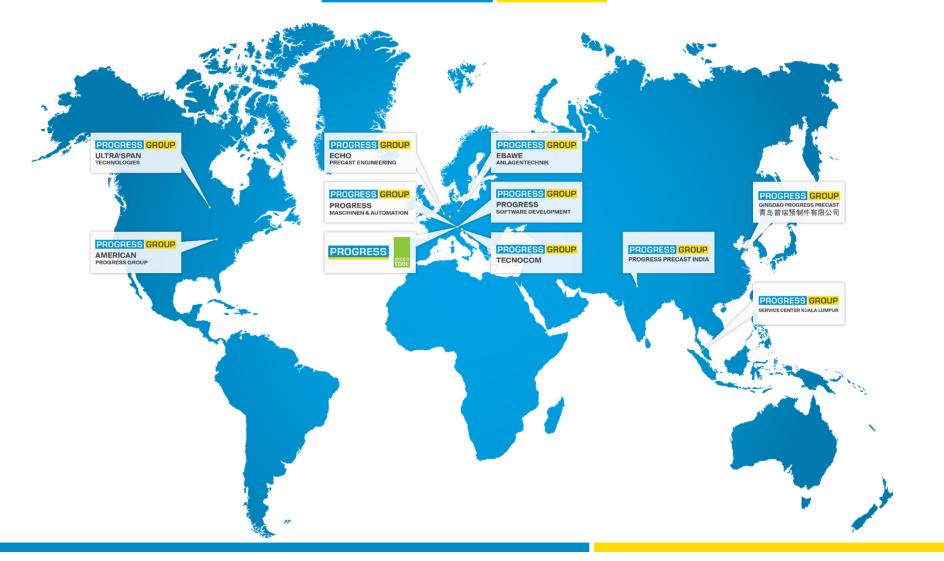
700 employees in the group

80 countries with customer relations

1 partner for precast concrete plants



PROGRESS GROUP



Business Segments





Mechanical Engineering

Technology supplier for the precast and rebar industry



Software Development

Development of software solutions for the precast and rebar industry



Building Industry

Planning and production of precast concrete

EBAWE Anlagentechnik



Carousel plants with automated transport of the pallets from one working station to the other.







Progress Maschinen & Automation

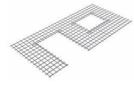


Automated full-range solutions for the production of tailor-made reinforcement.

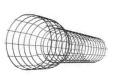














Tecnocom



Machinery and equipment for the stationary production to achieve an extreme flexibility even on very limited production areas.

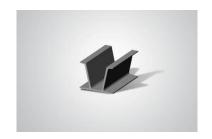
















Echo Precast Engineering



Machinery and plants for pre-stressed concrete products, especially hollow core slabs











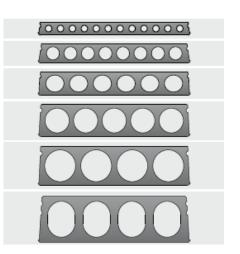


UltraSpan Technologies



Machinery & plants for pre-stressed concrete products, including long bed wall panel & double tee





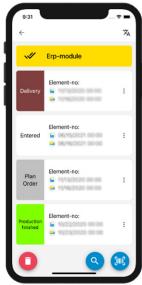


Progress Software Development



Software solutions for the precast concrete and rebar industry







Progress Software Development



Software solutions for the precast concrete and rebar industry











Production of precast elements and erection of buildings.









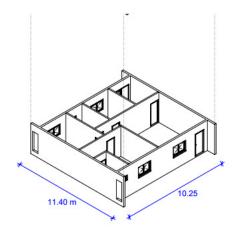




Building Systems: Affordable Housing

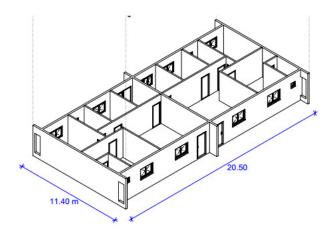








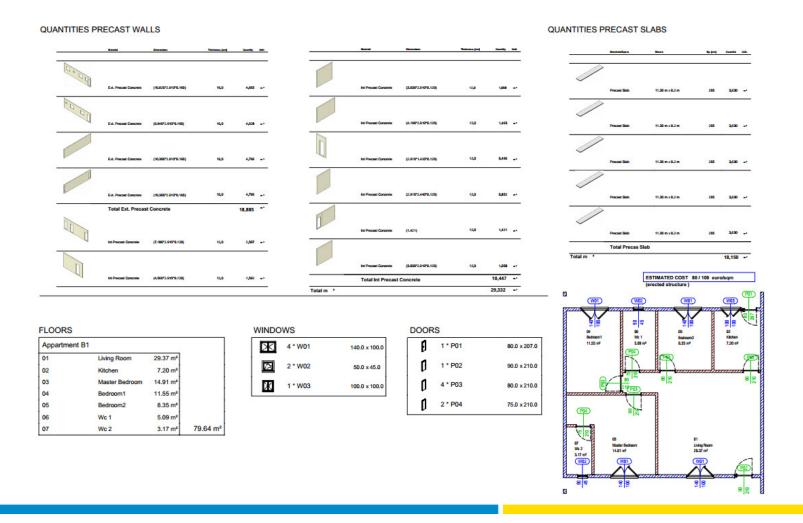




DOUBLE HOUSE - 80 + 80 sqm

Building Systems: Affordable Housing



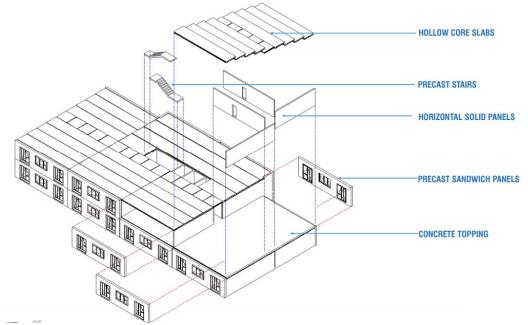


Building Systems: Bearing Wall Systems









Building Systems



CUSTOMIZED MATERIALS



Building Systems: Columns & Beams Structure





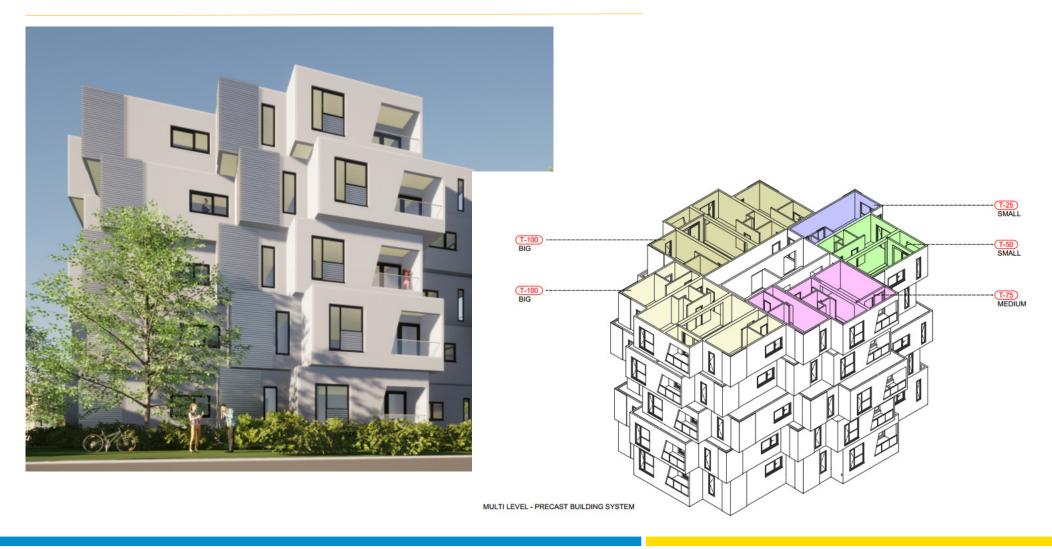
Building Systems: Columns & Beams Structure





Building Systems: Modular Housing







Building Systems: Environmentally Friendly



SUSTAINABILITY CONCEPT



Building Systems: Clever Houses



SMART HOME CONCEPT



Building Systems: Environmentally Friendly





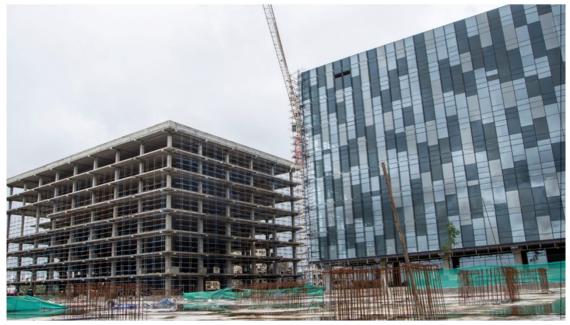




Brigade

Tata Housing





Precast India - Mr. Bhate



BG SHIRKE



"Our mission is to create sustainably better living conditions for people."

COSTS

- · Short construction time
- Less worker
- Optimal material consumption
- Industrialization in construction

QUALITY

- Controlled quality and production processes
- Construction independent from weather conditions
- Improved surfaces

DESIGN

- Structural efficiency
- Architectonic freedom
- Thermic and acustic isolation

SUSTAINABILITY

- Less waste products
- Efficient use of raw materials
- Concrete precast structures fully recyclable

Service Center





Service Center in China, Malaysia, India, and the US provide a secure, fast and reliable help center for the customer and their needs.



Progress in India: Progress Precast India (PPI)

PROGRESS GROUP

- Progress Precast India Pvt. Ltd. was founded in 2019
- Based in Ahmedabad
- Precast Technology Production Facilities
- Numerous Projects in India have been successfully implemented
- The aim of PPI is to provide top precast concrete solutions adapted to the needs of the Indian market and conditions.

It would be our pleasure to discuss your individual precast project and needs!



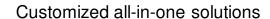
Michael Schöpp Managing Director PPI



Kushal Jani Managing Director PPI











Full-range supplier due to the synergies within the group

High-quality references all over the world





In-house software solutions

In-house precast concrete production plant

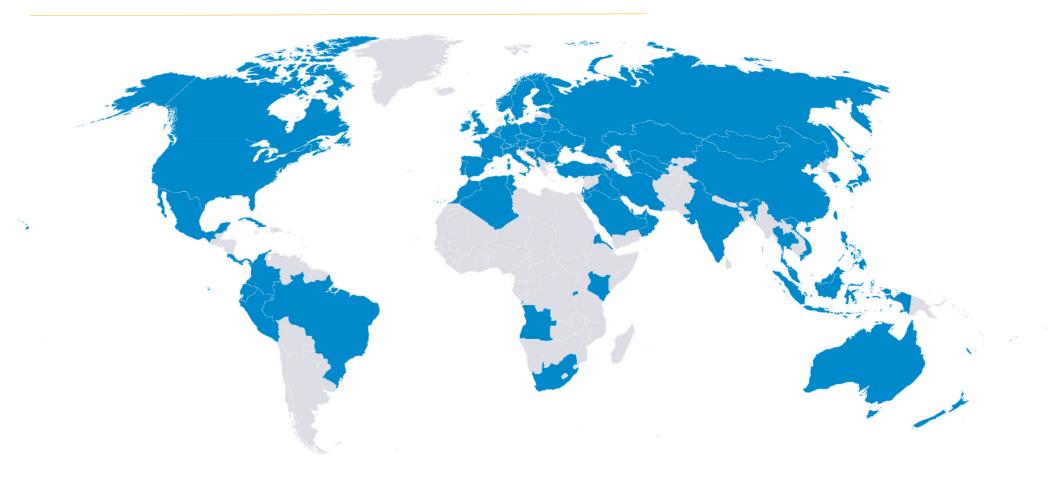




Professional service worldwide

Worldwide Markets





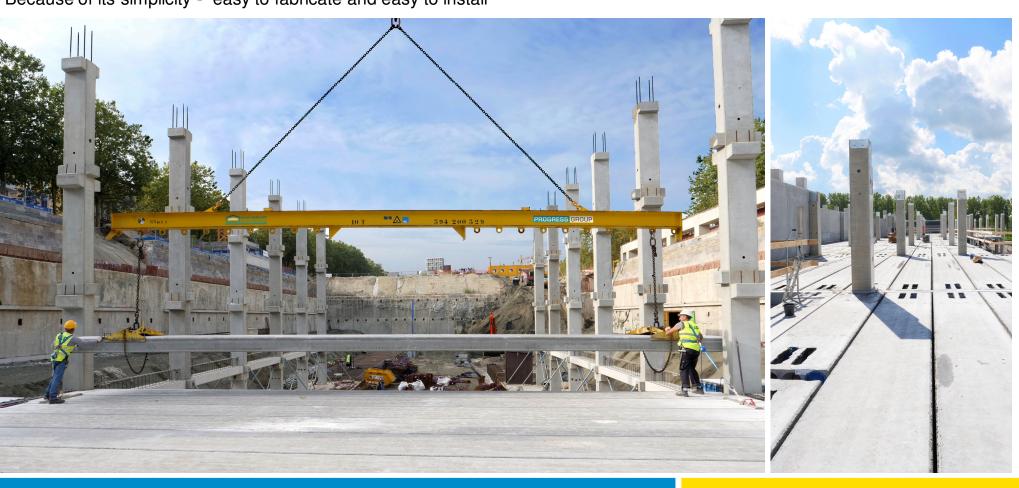
Countries served by PROGRESS GROUP



Thank you very much for your Attention!



Because of its simplicity - easy to fabricate and easy to install







Efficient use of raw materials with exact consumptions needs known



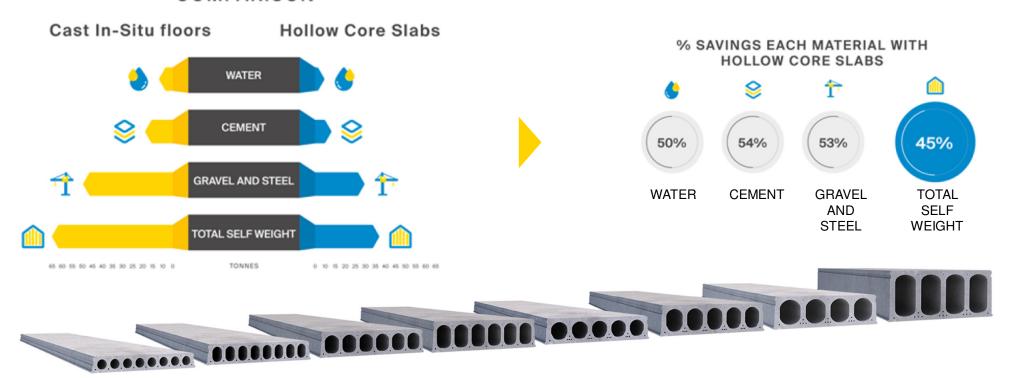
Exact manpower needs known



Simplicity on and off jobsite



TOTAL MATERIAL SAVING COMPARISON

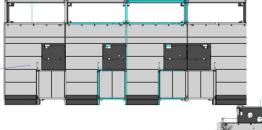




Floor type	Max. span m	Floor thickness mm	Product width M	Product weight kN/m²
1222	7	120 - 180	0.3 - 0.6	2.1-3.2
	20	120 – 500	0.6 - 1.2 - 1.5 - 2.4	2.2 - 5.2
	12	175 – 355	2.4	1.2 – 1.8
1	24	200 – 800	2.4 - 3.0	2.0 – 5.0
	6	100 – 250	0.3 - 0.6	0.7 – 3.0
THE SECOND SECON	7	100-200	0.6 - 2.4	2.4 – 4.8

Design













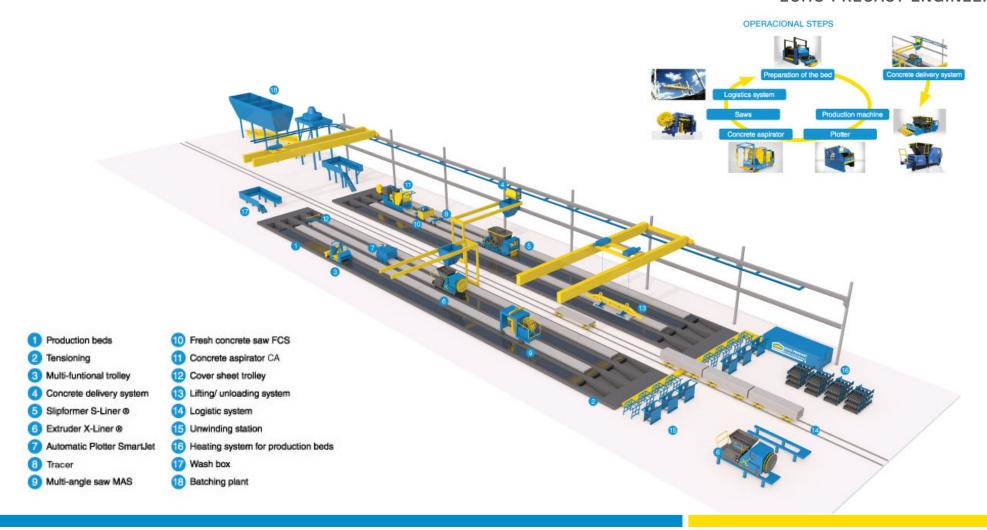




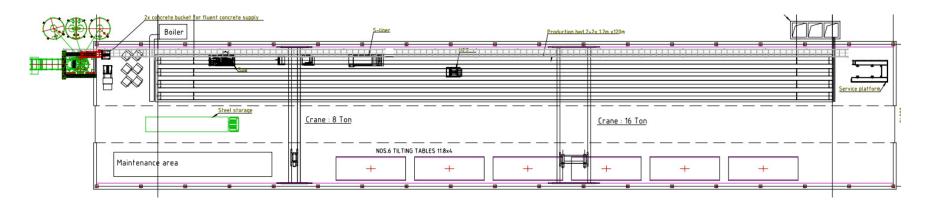




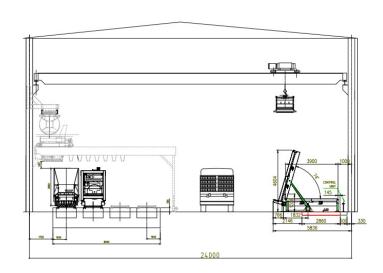




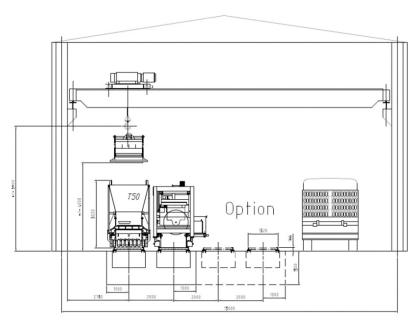






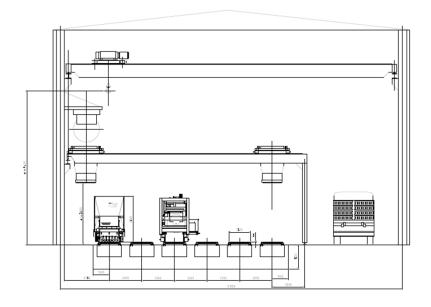






2 beds - 120 m - 1 Production machine

2 beds	from	until
m²/day	+/- 280	+/- 480

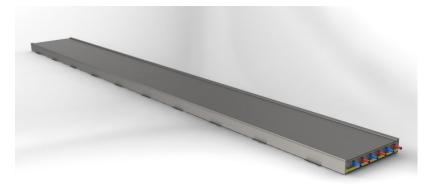


6 beds - 120 m - 1-2 Production machines

6 beds	from	until
m ² /day	+/- 700	+/- 1250

PROGRESS GROUP ECHO PRECAST ENGINEERING

Production beds

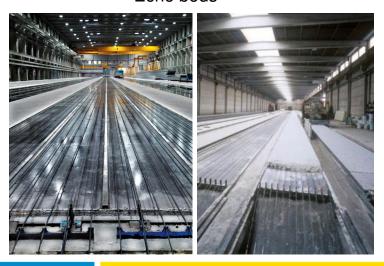


Cassette beds





Echo beds



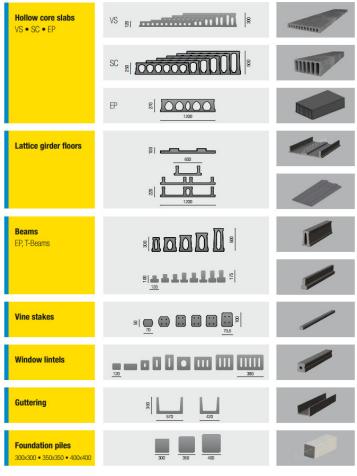
Slipformer S-Liner®

- Highly versatile different products can be produced
- Low total cost of ownership









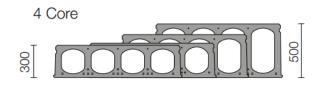
Extruder X-Liner® FC

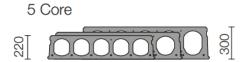
- Flow compaction latest shear compaction technology
- Shark screws for better compaction and less wear
- Slabs from 15 up to 50 cm in height
- Very few maintenance parts compared to others
- Automaton Automatic start/stop

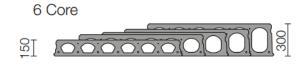


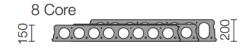












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Sawing machines



Multi Angle Sawing Machine





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Sawing machines



Right Angle Sawing Machine



Fresh Concrete Saw



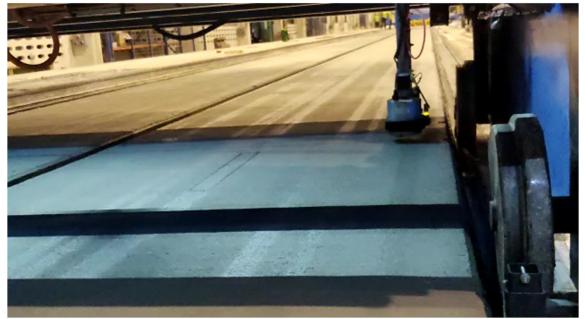
Cross cut saw



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SmartJet Plotter









- Making of cut-outs in non-cured concrete
- Ergonomic operation

















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Concrete Delivery System – Fully automatic





Automatic ordering of concrete

Automatic unloading of concrete in the production machine

Where is automation applicable in our business?



Production Machine— Fully automatic



Automatic running of the production machine

Where is automation applicable in our business?

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Software

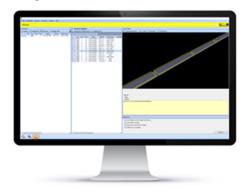
ebos HC





Stack planning

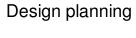




Bed planning



Productivity reports



"There is no automation without software"

Projects



Installation of hollow core





Get in touch with us!

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