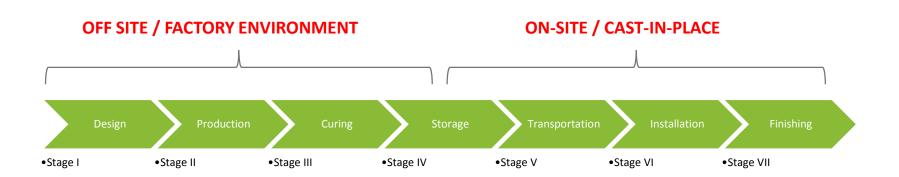
PRECAST: A COMPETITIVE ADVANTAGE

PRESENTATION BY SHRIDHAR RAO - ELEMATIC



Precast Construction is Efficient and fast

Precast concrete is produced by casting concrete in reusable molds or by using highly advanced machinery, then cured in a controlled environment, transported to the construction site and lifted into place.

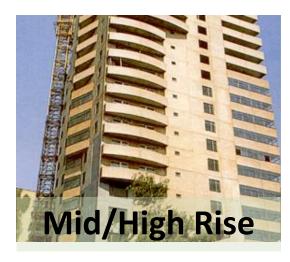




Precast Buildings









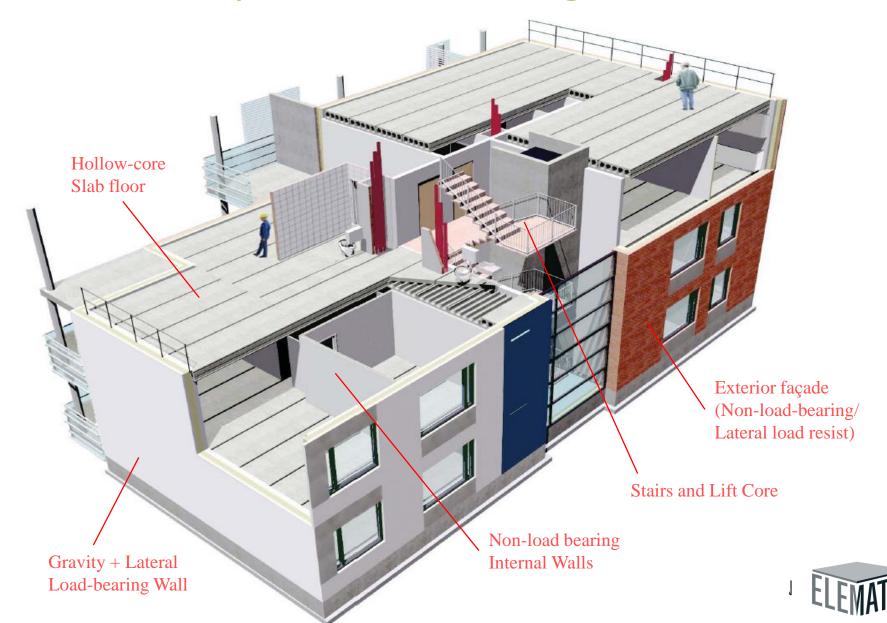






Wall-Frame System

Precast System for Housing



Precast The smart way to build

Precast products can be used to build virtually any type of building.



Sandwich panels



Cladding panels



Solid panels



Solid slabs



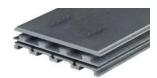
Acotec panels



Extruder: Hollow-core slabs



Slipformer: Hollow-core slabs



Slipformer: Ribbed slabs, Half slabs



Slipformer: T-beams



Advantages of Precast Concrete Construction

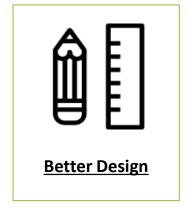


















Precast in Numbers

Times Faster than conventional construction.

Times Less labour than conventional construction. Years Payback Period for machinery and mould CAPEX

25%

Up to 25% less consumption of raw material 100+

Years is the effective building life as precast concrete gains strength with time. 5,000+

Over 5,000 repetitions with precast casting moulds.

Hanwha: Bismayah New City, Iraq

The 1st and the largest city development project ever in Iraq



Project	Bismayah New City
Developer	National Investment Commission of Iraq (NIC)
Design and Construction	Hanwha Engineering and Construction Co.
Contract Amount	USD 7.75 Billion
Location	10 km from Baghdad
Project Detail	Land development works Housing construction work
Work Period	7 years: 2 design, 5 execution
Total No. of Population	600 000
Target No. of Households	100 000
Area Size	1, 830 ha



EXAMPLES IN INDIA PRECAST BUILDINGS



DDA Housing Project – 50,000 houses in Delhi









Housing Project - Architectural Views





1.7 M sq.ftdevelopment2 basement10 storied Building



Wall Frame – Execution



Jindal Student Housing

Student Housing 6 storey building of 500 student housing capacity 85,000 sq. ft structure built in 2 months







Project Examples-

Wall Frame structure with Hollow core slabs









NESTLE Process R&D Center-Construction

phase

Building Area of 15,000 sq.mt.

Large Solid Slab Spans of 12.0m

Loading = 15.0 kN/ sq.m.

3 Storey Column = 14.20 m Tall







Process R&D Center







Novotel Ibis Como Hotel- Chennai

- Project size: 300,000 sq. ft. BUA
- 14 Storeyed building with 2 basement and60 mtr height
- Precast columns and beams, precast hollow core slabs, precast lift core shaft, precast staircase, precast retaining wall
- Project finished in 11 months





Novotel Ibis Como Hotel-Project Site snapshot







TVS Motors Factory-Hosur, TN

- Project size: 110,000 sq.ft -BUA
- Duration: 90 days
- 10mtr span ,200 mm HCS ,
 Precast columns and prestressed beams





TVS Motors Factory Project Site







Agricultural College Indoor sports hall **Bapatla AP**

Total precast sports hall.



PROJECT SIZE – 16,000 sq.ft Structure completed in 60 days





Construction of Agriculture College - Indoor sports hall -Bapatla AP









ITC Cigarette Factory- Bangalore







Alternative way of Construction

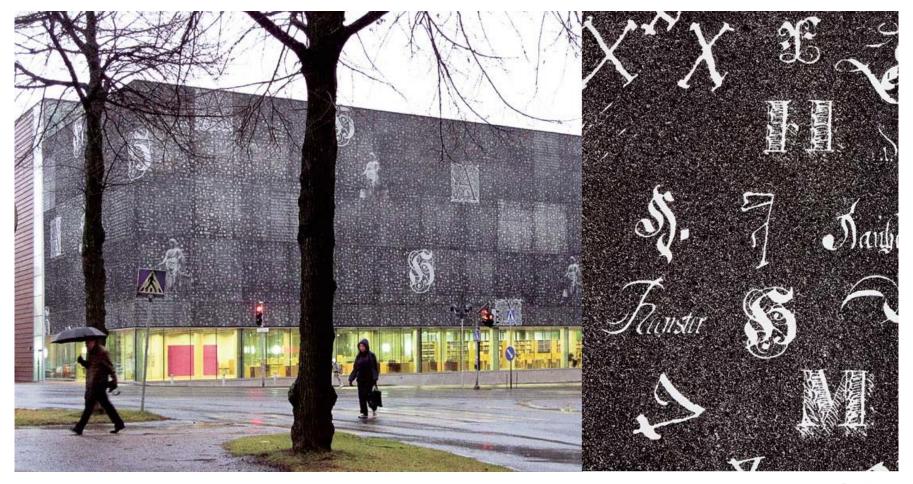
Video – Precast Building construction

CONSOLIS PRESENTATION



ARCHITECTURAL APPLICATIONS- PRECAST IS BEAUTIFUL

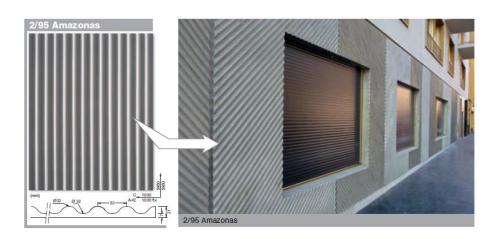
Precast is Beautiful

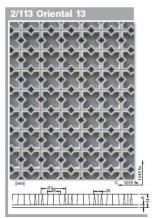


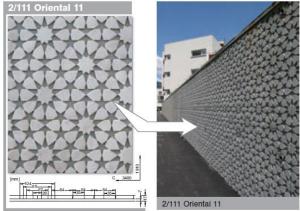
Precast is Beautiful

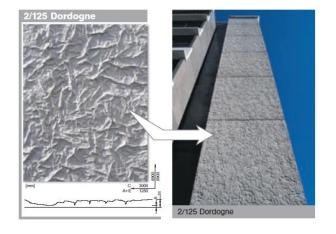


Precast is Beautiful













OUR COMPANY



Elematic - World's Leading Supplier of Precast Technology

Elematic, a Consolis Group company, is the world's leading supplier of know-how, machinery, equipment, production lines and complete production plants for the precast concrete industry. Elematic's production technology is already in use in more than 100 countries on five continents.





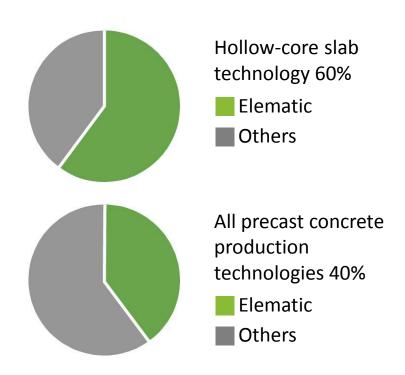




The only one-stop-supplier in the precast concrete industry

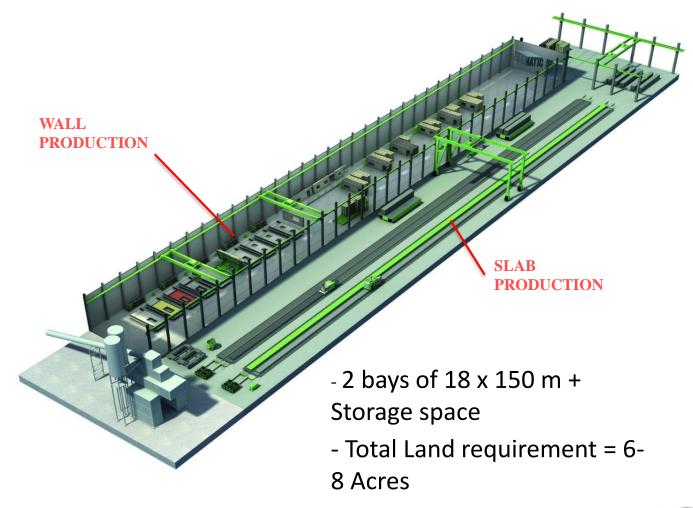
- Delivering anything from a single machine or production line to a complete plant for any precast product
- World-leading technology, knowhow, process excellence and software
- The most extensive customer services in the market
- Setting up World's largest precast plant at Iraq for 7500 sq.m. BUA per day.

Global market share





Elematic – Precast Plant (SEMI)



Production of Pre-Stressed Floors : Extruder

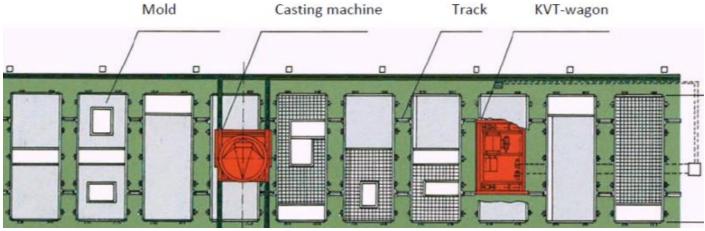




Production of Wall Panels: KVT Line





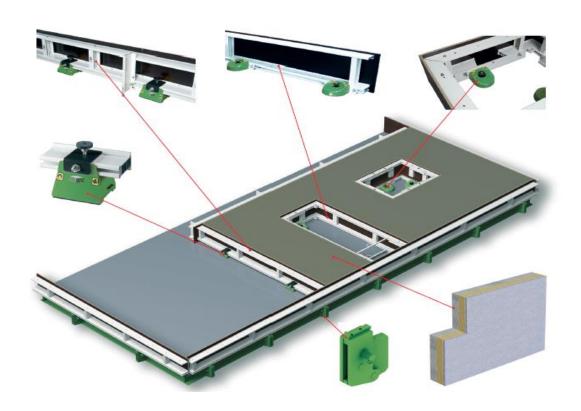




Production of Precast Wall Panels



Fastening Method



- Magnets
- Aluminum side forms
- Moulds
- Beds



Three technology levels Your choice

Complete precast plants for walls and floors



Simple and easy start up level production with low initial investment

PRO



Large capacity production for a broad product range

EDGE

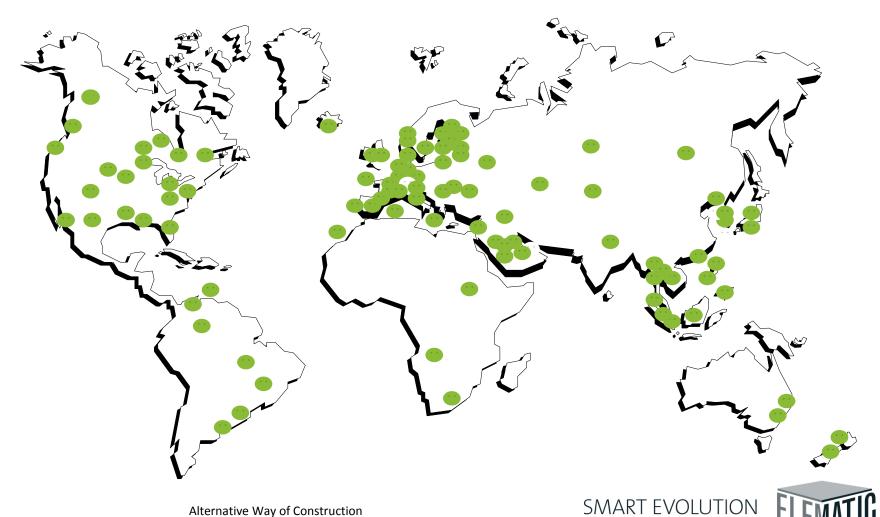


Advanced and highly automated plant for high volume production



Market Areas

Elematic's production technology is already in use in more than 100 countries on five continents.



Some of our key customers

Reference of some of the key customers having our machinery setup















KP1/









Generale Prefabbricati

















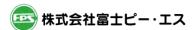
































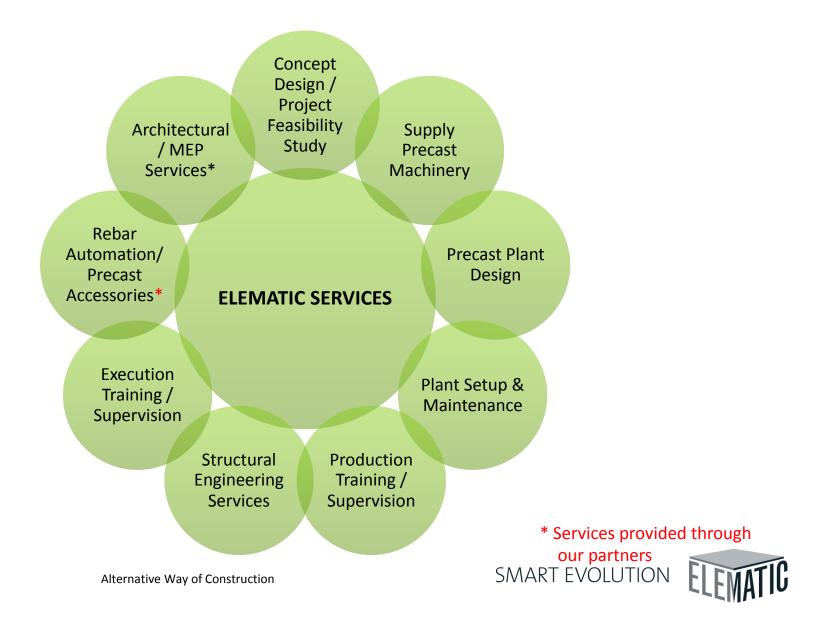








Elematic India Services



Thank You!

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