

# CONCRETE KNOW-HOW

**PREMIUM-GRADE PRECAST CONCRETE**  
**DOUBLE PRODUCTIVITY • DOUBLE EARNINGS**



CONFAC  
Functional, funky, concrete

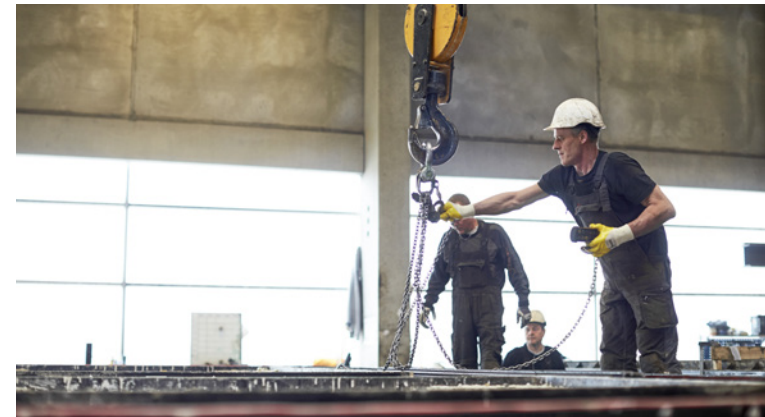
# BACKGROUND

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In Scandinavia, we build with precast concrete. The methods we use are thoroughly tried and tested – the result of many years' of intensive development.

In Denmark, the vast majority of façade systems used in the construction of factories, commercial buildings and multi-storey housing are made of precast concrete sandwich panels.

CONFAC is Denmark's newest precast concrete company. We are proud to have raised the production of precast concrete to new levels. Our future-proof methods are more efficient and more profitable. We have an innovative ownership structure and maximised employee involvement.





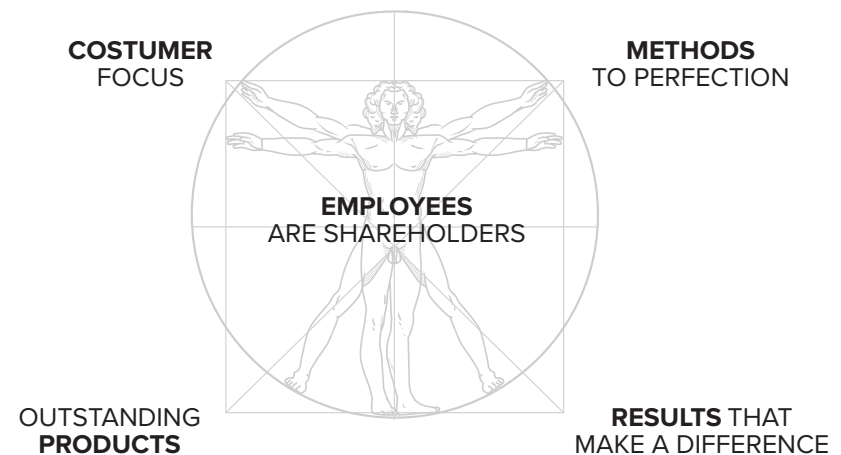
# CONFAC – A UNIQUE COMPANY

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CONFAC has redesigned concrete manufacturing. Our factory makes precast sandwich panels at twice the rate of previous production systems. Our versatile production layout can be adapted to assimilate tomorrow's technologies and more automation.

We built our Phase One factory concept in 2008. With ten years of highly competitive and successful operations under our belts, Phase Two is now under construction. Phase Two doubles capacity and further improves competitiveness.

## THE VISION



# CONCRETE FACTORY – THE CONCEPT

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Producing precast concrete sandwich panels is a very complex process. It involves a large number of work processes, curing times and material choices.

CONFAC's unique production facility is dedicated to precast concrete sandwich panels. It is the only one of its kind in the world. We manufacture precast concrete sandwich panels in a unique hybrid production setup that applies the rotation principle and the stationary principle at the same time. CONFAC's competitors operate only stationary production units. They use the same stationary unit at every stage in the production of a sandwich panel. Their process is versatile but inefficient.

In CONFAC's hybrid system, we perform each phase in the manufacturing process at an optimised workstation. In effect, we move the mobile panel unit from workstation to workstation until the sandwich panel is complete.

As individual sandwich panels have different curing times, we have developed a flexible system that transports panels from workstation to workstation in any order, eliminating waiting time and achieving the type of flexibility that the rotation principle usually lacks.

By combining the stationary principle with the rotation principle, we reap the benefits of both systems. We combine the flexibility of the stationary principle with the efficiency of the rotation principle.

CONFAC's hybrid production setup is future-proof. New technologies and robots can be added to any individual production unit.

Production flow is optimised from start to finish for any product order - in a 24-hour production cycle.



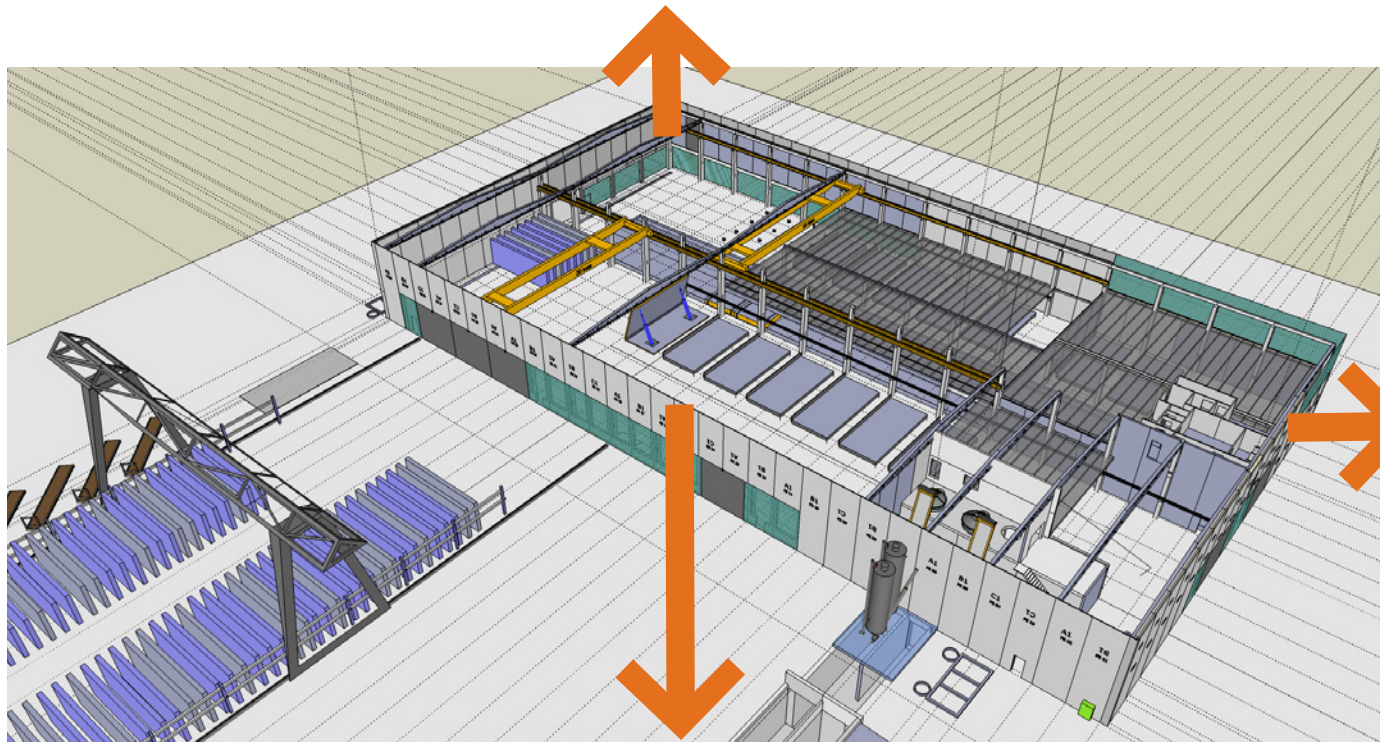


# CONCRETE FACTORY - THE CONCEPT

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## VERTICAL EXPANSION

Ready to expand capacity by adding vertical hardening chambers with panels stacked in several layers.



## HORIZONTAL EXPANSION

Doubles capacity by mirroring the production line (implementation 2018).

## READY FOR TOMORROW

Mobile manufacturing units, to which new technologies, robots, etc. can be added.

# CONCRETE SANDWICH PANELS

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Sandwich elements integrate all expressive, functional and technical requirements into one unit distributed in three primary layers:

- The outer wall is the exterior climate screen. The front plate comprises the cosmetic outer layer of concrete. There are countless opportunities to create special designs and finishes.
- The element's inner wall on the inside is the load-bearing constructive layer of concrete. It contains reinforcement, electrical installations, etc.
- Between the outer and inner walls, there is an insulation layer. It is punctuated only by anchorage of the front plate to the load-bearing inner plate, to minimise energy loss throughout the structure.

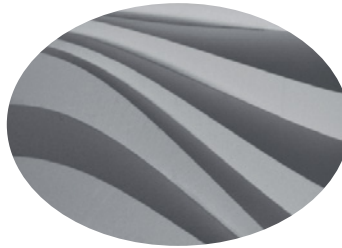




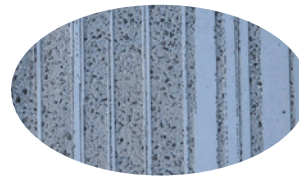
# RESEARCH INTO CONCRETE & SURFACES

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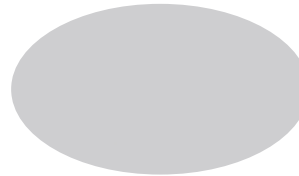
3D FORMWORK



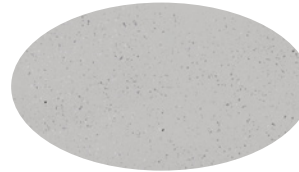
GRAPHIC SURFACE



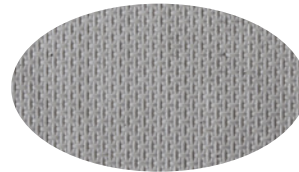
SMOOTH SURFACE



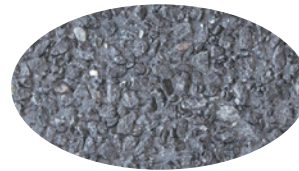
ACID-WASHED SURFACE



TEXTURED SURFACE



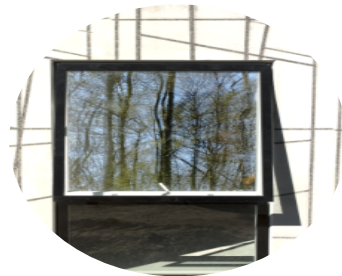
WASHED AGGREGATES



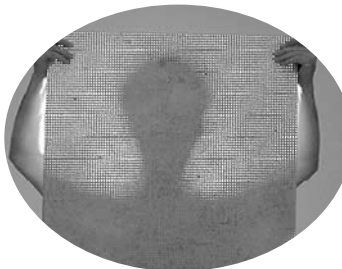
INTEGRATED MASONRY



GRAPHIC CONCRETE



TRANSLUCENT CONCRETE



GLASS FIBRE REINFORCED  
CONCRETE (GFRC)



# BENEFITS OF PRECAST SANDWICH PANELS

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Concrete sandwich panels are often preferable to other building systems.

The products have inherent advantages and optimise construction processes.



Suitable for use in all building types  
from industry to high-rise



Adapt and distribute large  
static loads



Conform to all fire requirements



Conform to noise attenuation  
requirements



Factory-fitted technical installations  
and windows



Concrete does not rot



Concrete panels are robust and  
maintenance friendly



Shorter on-site construction period



Concrete sandwich panels are  
sustainable products





# RESULTS THAT MAKE A DIFFERENCE

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■ CONFAC  
■ MARKET AVERAGE

EUR 250,000 annual turnover per employee is almost double the market average.



■ EUR 250,000  
■ EUR 135,000

500 m<sup>3</sup> annual productivity by volume per employee is double the market average.



■ 500 m<sup>3</sup>  
■ 250 m<sup>3</sup>

+20% profit margin is double the market average.



■ 20%  
■ 10%

# CONFAC FOUNDERS & OWNERS

**ALL  
EMPLOYEES  
ARE SHARE-  
HOLDERS**

**FRANK  
LAURSEN**  
CFO  
CHIEF FINANCIAL  
OFFICER

**ERLING  
HOLM**  
CEO  
CHIEF EXECUTIVE  
OFFICER

**VERNER  
LIND**  
CPO  
CHIEF PRODUCTION  
OFFICER

**PETER  
ADAMSEN**  
CPO  
CHIEF PROJECT  
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