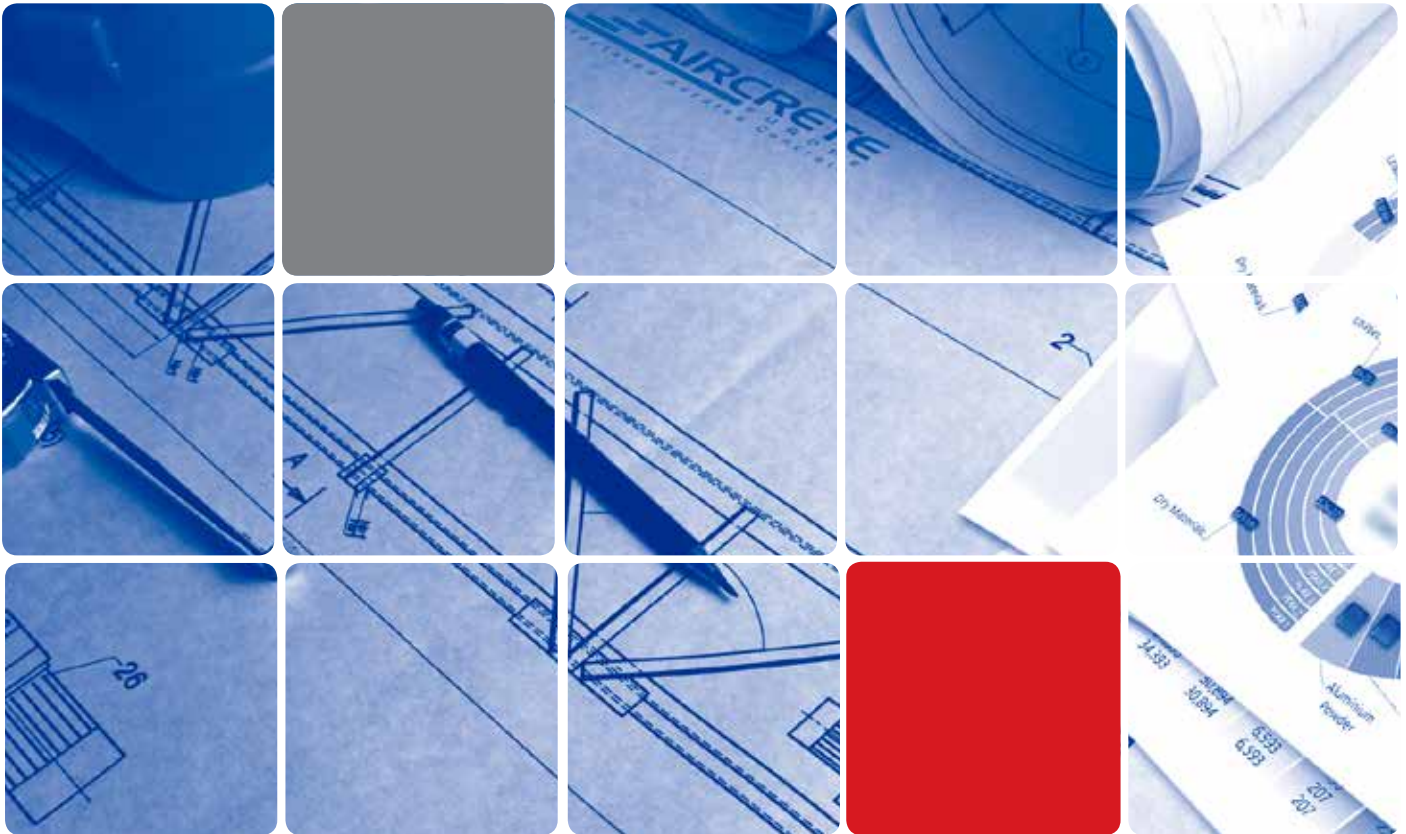


## THE OPTIMAL BALANCE BETWEEN

- TECHNOLOGY
- LOCAL FACTORS
- INVESTMENT EXPECTATIONS



## AIRCRETE PHASE 1 | AAC PROJECT DESIGN

# AIRCRETE PHASE 1

AIRCRETE Europe as a **technology partner** understands investors' requirements and advises crucial information before the project. We offer you **40 years of our industry experience** to perfectly prepare your AAC project.

This pre-project documentation is called **PHASE 1 - Technical and Financial Project Design**.



## I. Raw Materials Analysis & Formula Design

Before the plant construction, local sand, cement, gypsum and lime are shipped to Europe for **suitability analysis in AIRCRETE laboratory**. Sample castings can be prepared to determine potential quality of products when produced locally. Based on prices and quality of local raw materials, **customized product formulas are prepared**.

## II. Equipment Scope Design

Together with the investor, the optimal balance between AIRCRETE equipment and locally purchased equipment is determined. **AIRCRETE has a flexible approach regarding machine sourcing**.

**Unique approach in the AAC industry**  
Solid technical and financial foundation  
for a successful AAC plant.

## OPTIMAL BALANCE



## III. Engineering of a Plant Layout

Depending on investors' requirements, different machines are selected and planned into a plant layout. Plant logistics are optimized and **detailed analysis of the daily capacity, product portfolio, level of automation and extension schedule are planned**.



# PHASE 1

## Customized Project Design



### IV. AIRCRETE Investment Analysis

We support the business case preparation including the **total project capital requirements** (equipment, infrastructure, installation, transport, inventory, working capital and more).

AIRCRETE analysis goes beyond equipment budget as we carefully look at **all required funds for starting production in a turn-key plant**. A detailed investment overview from a technology supplier based on industry know-how, is a **strong argument in obtaining project finance or attracting new investors**.

### V. AIRCRETE Financial Plant Performance

AIRCRETE provides a comprehensive financial performance model for your AAC plant. Based on local market inputs and technology characteristics, **the production cost of 1m<sup>3</sup> is calculated**.

PRODUCTION COSTS

ROI

EBITDA

PAYBACK PERIOD

MATERIAL CONSUMPTIONS

**Before building the plant, investors have a detailed projection of the future financial plant performance.**

Production indicators and sample financial statements are generated during this stage.



### VI. AIRCRETE Building System

We develop new **integrated AAC building solutions** or convert existing building designs into optimized construction system, based on AAC panels.

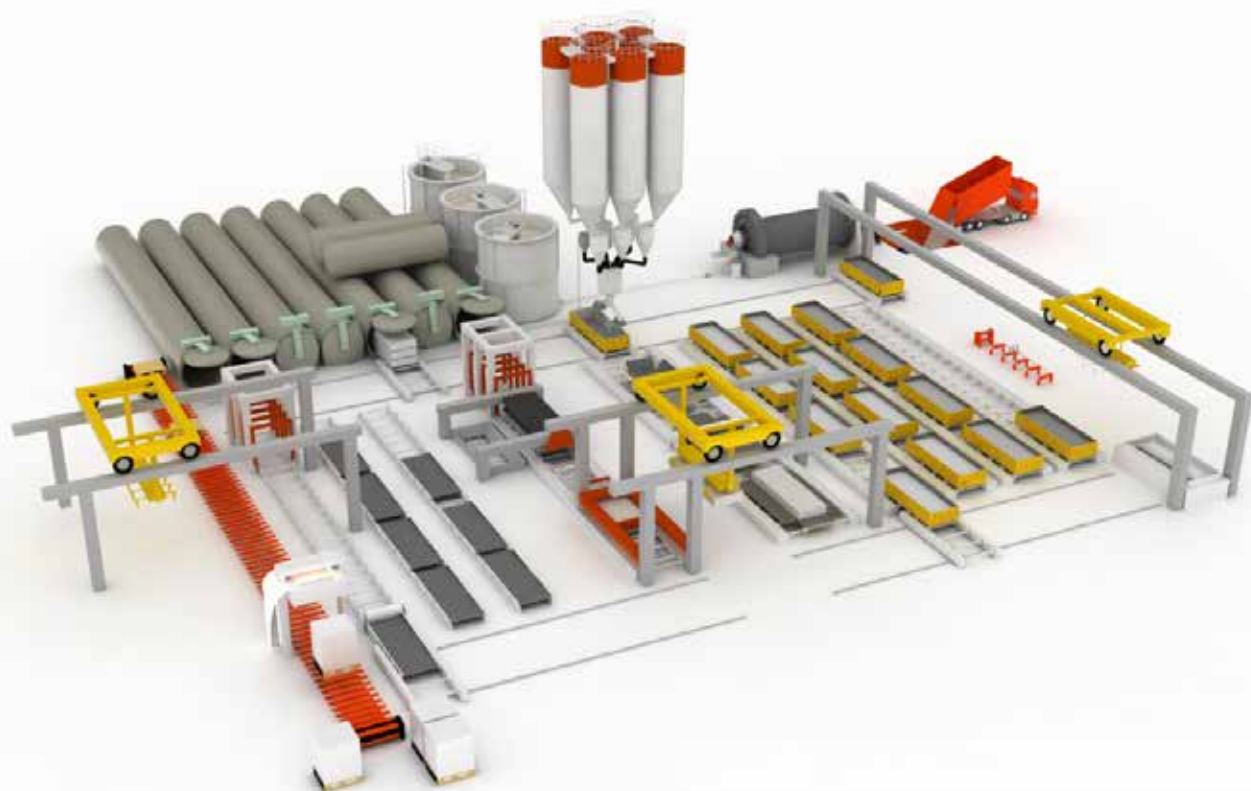
The dimensions of the panels are standardized and **AIRCRETE plant can supply all necessary AAC products (floors, walls, roofs, lintels)** for a complete building project. Application of AIRCRETE Building System directly translates to **time and costs savings**.

**Panel- based AAC Building System is a next step towards your market expansion.**

## APPLICATIONS

- Residential
- Social
- Commercial
- Industrial





**AIRCRETE**  
EUROPE  
Autoclaved Aerated Concrete

Aircrete Europe  
Münsterstraat 10  
7575 ED Oldenzaal  
The Netherlands

Stay in touch with Aircrete Europe:



[www.aircrete-europe.com](http://www.aircrete-europe.com)



Tel: +31 (0) 541 571020  
Email: [info@aircrete.nl](mailto:info@aircrete.nl)