THE OPTIMAL BALANCE BETWEEN

- TECHNOLOGY
- LOCAL FACTORS
- INVESTMENT EXPECTATIONS

TECHNICAL & FINANCIAL BUSINESS PLAN

AIRCREFE PHASE 1 | AAC PROJECT DESIGN

AIRCREFE
Autoclaved Aerated Concrete
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.

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.
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 1m³ is calculated.

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