
THE OPPORTUNITY

Local production. Lasting capability.

Pilot & Funding Overview

BAM is developing a Nigerian advanced manufacturing business that connects digital design, useful products and local professional capability. The first funding programme will combine customer-backed product validation with recruitment, practical training and a measured route to production.

A focused first programme

The initial candidate is custom tooling for non-structural architectural components. It will be compared with direct cement printing where that process fits the same customer need. Product and equipment selection will follow buyer specifications, technical tests and delivered economics.

Value for customers and communities

Custom components and tooling can give local businesses another route to distinctive products. Skills development and local production create opportunities for technical professionals and suppliers. Public-space and housing applications form the wider pathway; affordability, safety and environmental benefits will be measured rather than assumed.

What support will establish

A defined product and paying-customer requirement; qualified technical contributors; accepted pilot output; a costed operating model; and a decision on whether to invest in dedicated production equipment.

Programme status: early development. Industrial equipment has not been purchased, a qualified construction team has not yet been appointed and no completed BAM construction projects are claimed.

PILOT DELIVERY

Prove the product. Then build capacity.

01 Define demand and the benchmark

Agree a real buyer specification, quantity, finish and acceptance test. Obtain a conventional-production quotation. Confirm whether mould-based casting or direct cement printing best serves that requirement. A letter of interest is not treated as contracted revenue.

02 Demonstrate with qualified oversight

Seek suitable partner-access trials before committing to machine purchase. Record materials, labour, setup, power, finishing, cleanup, rejects and delivery. Use qualified technical review and independent testing appropriate to the intended use.

03 Confirm the commercial case

Compare accepted-unit costs with the buyer's price and the conventional alternative. Review repeatability, material supply, maintenance and customer acceptance. Test lower utilisation, adverse exchange rates and higher rejection costs.

04 Release capital against evidence

Equipment procurement and production expansion follow review of the pilot results, a complete budget and agreed governance. Housing requires a separate engineered construction programme, approvals, delivery partners and whole-project economics.

Pilot success criteria

- A buyer accepts a paid trial and an agreed specification.
- Output passes relevant quality and use-specific tests.
- Measured delivered costs support a viable contribution margin.
- Skills, material supply and support can sustain repeat production.

The pilot scope and timetable will be agreed with customers and technical partners before delivery commitments are made.

CAPITAL AND PEOPLE

Fund the operation. Develop the professionals.

Proposed use of funds

Customer discovery and design; specialist recruitment; representative trials and independent testing; equipment and commissioning; professional training; quality systems; and working capital. These work packages will be costed separately and linked to milestones.

Research price references - not BAM's funding target

Reference equipment	Published price	Scope
3D Potter 2K Desktop Package	US\$31,500	Small-scale cement package
Scara Elite Roadrunner	US\$45,500-52,400	Printer/rail; not a full line
Scara HD	Written quote required	Configuration to be agreed

Supplier listings checked 13 October 2026 [1-3]. Freight, Nigerian taxes/customs, local installation, facilities, power, staffing, tests and operating runway are not included in these price references. Currency conversion and package scope require written quotations. No complete funding target is stated yet.

Recruitment and training

The plan includes engineering/process leadership, digital design, production operators and quality/materials support. Training will cover safe operation, material control, calibration, maintenance, inspection and batch traceability, followed by practical competency assessment.

Headcount, trainee places, salary costs and providers will be set in the costed delivery plan. Supplier onboarding is not automatically accredited professional training. Construction applications require separately qualified construction professionals.

PARTICIPATION AND ACCOUNTABILITY

A clear funding basis.

Investment, grants and crowdfunding

Prospective investors can discuss staged capital and strategic participation. Grant applications will match eligible costs to specific innovation, skills or development outcomes. Any crowdfunding model will have its own delivery terms, disclosures and appropriate legal/platform review.

Evidence before commitment

The private pack will contain legal identity, delivery roles, customer evidence, quotations, the financial workbook, downside assumptions and capital controls. Its preparation status will be disclosed.

Risks and reporting

Review technical performance, adoption, material supply, exchange rates, power, maintenance, approvals and working capital. Track expenditure, accepted output, recruitment and demonstrated skills. Investment can involve loss of capital. Returns, savings and funding awards are not guaranteed.

Start a funding or technical conversation

Visit BAM's funding page to register investment, grant, crowdfunding or strategic-partnership interest. No funds or securities subscriptions are accepted through the website.

Sources and further reading

- [1] 3D Potter: 2K Desktop Package
- [2] 3D Potter: Scara Elite Roadrunner
- [3] 3D Potter: Scara HD
- [4] Jipa & Dillenburger (2022): 3D Printed Formwork for Concrete
- [5] Standards Organisation of Nigeria: MANCAP

Public discussion document, version 1.0. This overview is not a completed financial model, offer of securities, quotation or commitment to manufacture. Specific funding terms and professional advice are required before commitment.