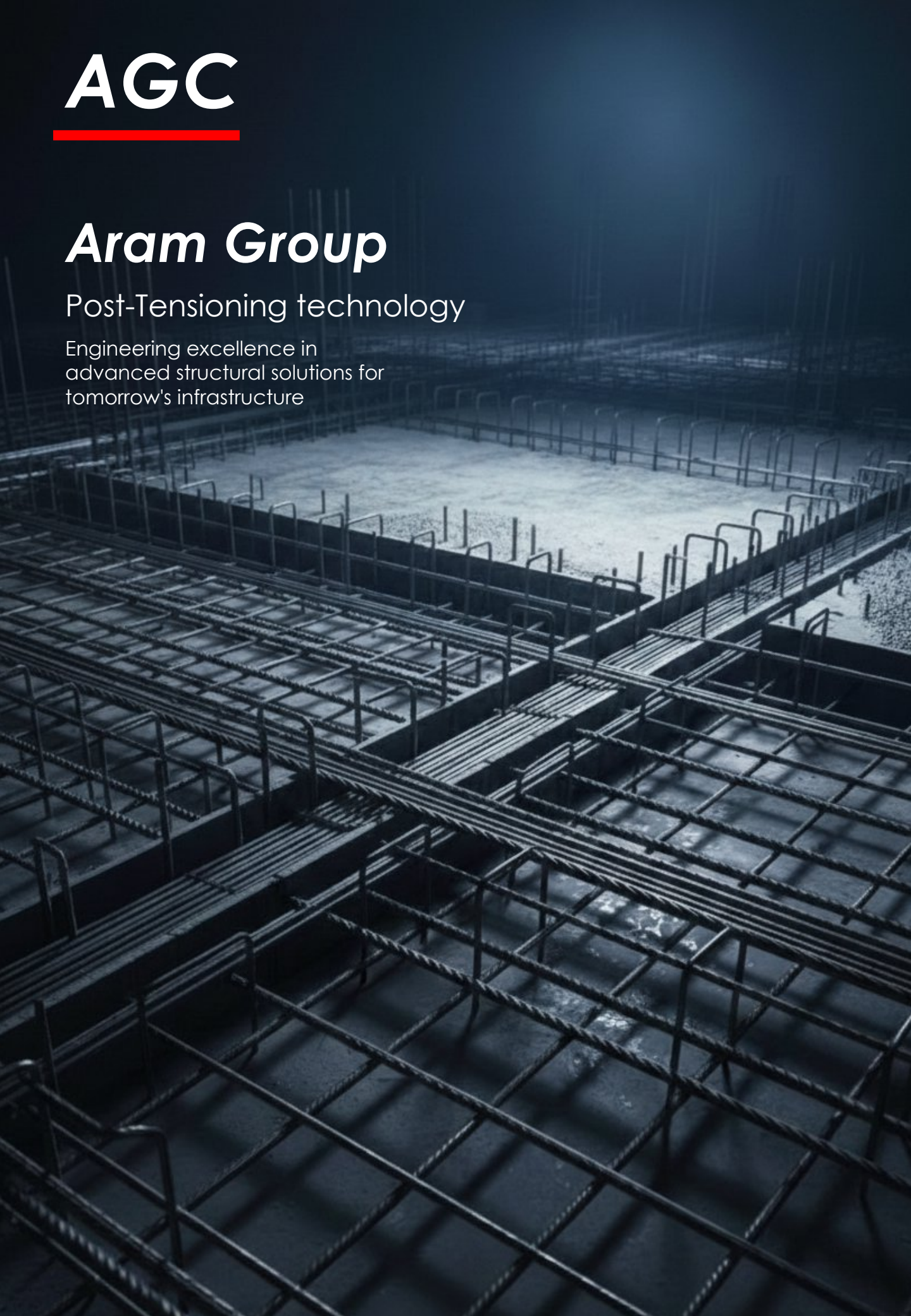


AGC

Aram Group

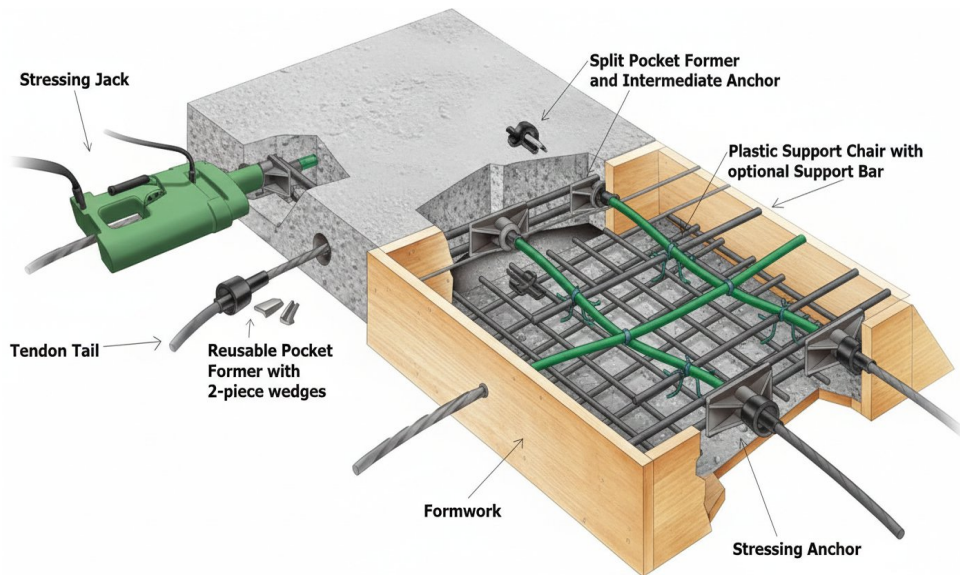
Post-Tensioning technology

Engineering excellence in
advanced structural solutions for
tomorrow's infrastructure



What is Post-Tensioning?

Post-tensioning is an advanced concrete construction technique that revolutionizes structural capabilities. High-strength steel tendons are strategically placed within concrete members and tensioned after the concrete has cured, creating a state of pre-compression that dramatically enhances performance.



Post-Tensioning Applications

- Commercial buildings and office complexes
- Residential towers and mixed-use developments
- Infrastructure projects including bridges and parking structures
- Industrial facilities requiring extended spans
- Liquid Tanks

Why Post-Tensioning?



Architectural Freedom

Enables longer spans and thinner slabs with fewer columns.



Cost Efficiency

Reduces material consumption (concrete and rebar) and foundation loads



Faster Construction

Rapid turnaround for floor cycles and formwork stripping



Structural Efficiency

Decrease slab thickness and foundation loads by 2-3 times while maintaining or enhancing load capacity



Additional Performance Advantages:

- Superior crack control and serviceability
- Enhanced resistance to seismic forces
- Reduced long-term deflection

Our Technical Services

. Aram Group provides comprehensive post-tensioning solutions, managing every aspect from initial concept through final stressing. Our integrated approach ensures seamless coordination, optimal performance, and complete quality assurance.

- **Design**

Customized post-tensioning layouts engineered specifically for your project requirements, optimizing tendon profiles and achieving maximum structural efficiency

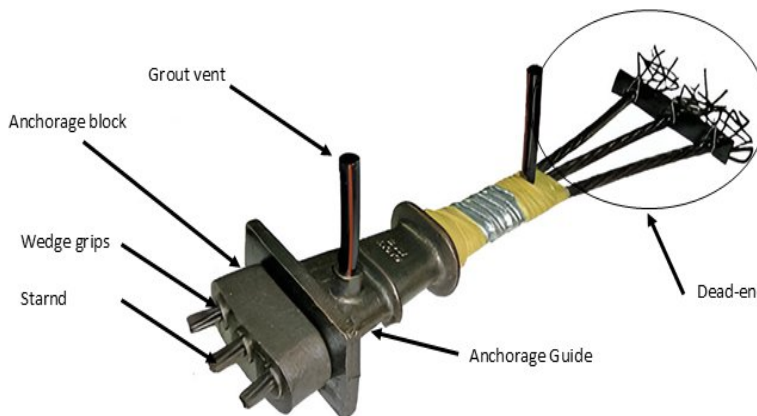
- **Installation**

Expert placement of ducts, threading of cables, and preparation of anchorage systems executed by our skilled technical teams

Precision cable stressing using calibrated hydraulic equipment, followed by grouting to ensure long-term structural integrity and corrosion protection

Post-Tensioning Supply Division

Premium-grade tendons, anchors, ducts, and accessories sourced from internationally certified manufacturers meeting stringent quality standards



Safety & Quality Standards

Our Commitment

At Aram Group, safety and quality are non-negotiable. We adhere to the most rigorous international standards while implementing comprehensive quality control protocols throughout every project phase.



International Compliance

Full adherence to ACI 318, PTI guidelines, and Eurocode standards ensuring global best practices in post-tensioning design and execution



Safety Protocols

Rigorous on-site safety procedures including comprehensive training programs, protective equipment requirements, and continuous hazard monitoring



Quality Control

Systematic material testing, process audits, load verification, and documentation at every stage from material receipt through final stressing



Corrosion Protection

Advanced protective systems including epoxy-coated strands, high-density polyethylene sheathing, and complete cement grouting for long-term durability

Why Choose Aram Group?



Engineering Expertise

Highly experienced team of structural engineers, members of the PTI (Post-Tension Institute), with specialized knowledge in post-tensioning design, analysis, and implementation across all project types



Proven Track Record

Successful completion of numerous high-profile projects demonstrating consistent delivery of durable, cost-effective structural solutions



Integrated Solutions

Comprehensive service delivery from initial feasibility studies and design optimization through final installation, testing, and commissioning



Innovation & Partnership

Commitment to adopting latest technologies and materials while fostering collaborative relationships with clients, architects, and contractors



Client-Centric Approach

We understand that every project is unique. Our team works closely with you to develop tailored solutions that meet your specific structural, budgetary, and scheduling requirements.

Ready to elevate your construction project?

Let Aram Group deliver the structural innovation, cost efficiency, and engineering excellence your project deserves. Our team is ready to provide comprehensive consultation and tailored solutions for your unique requirements.

Contact Us

Aram Group

Post-Tensioning Solutions

Contact Information:

Email: info@agc-sy.com

Web: www.agc-sy.com