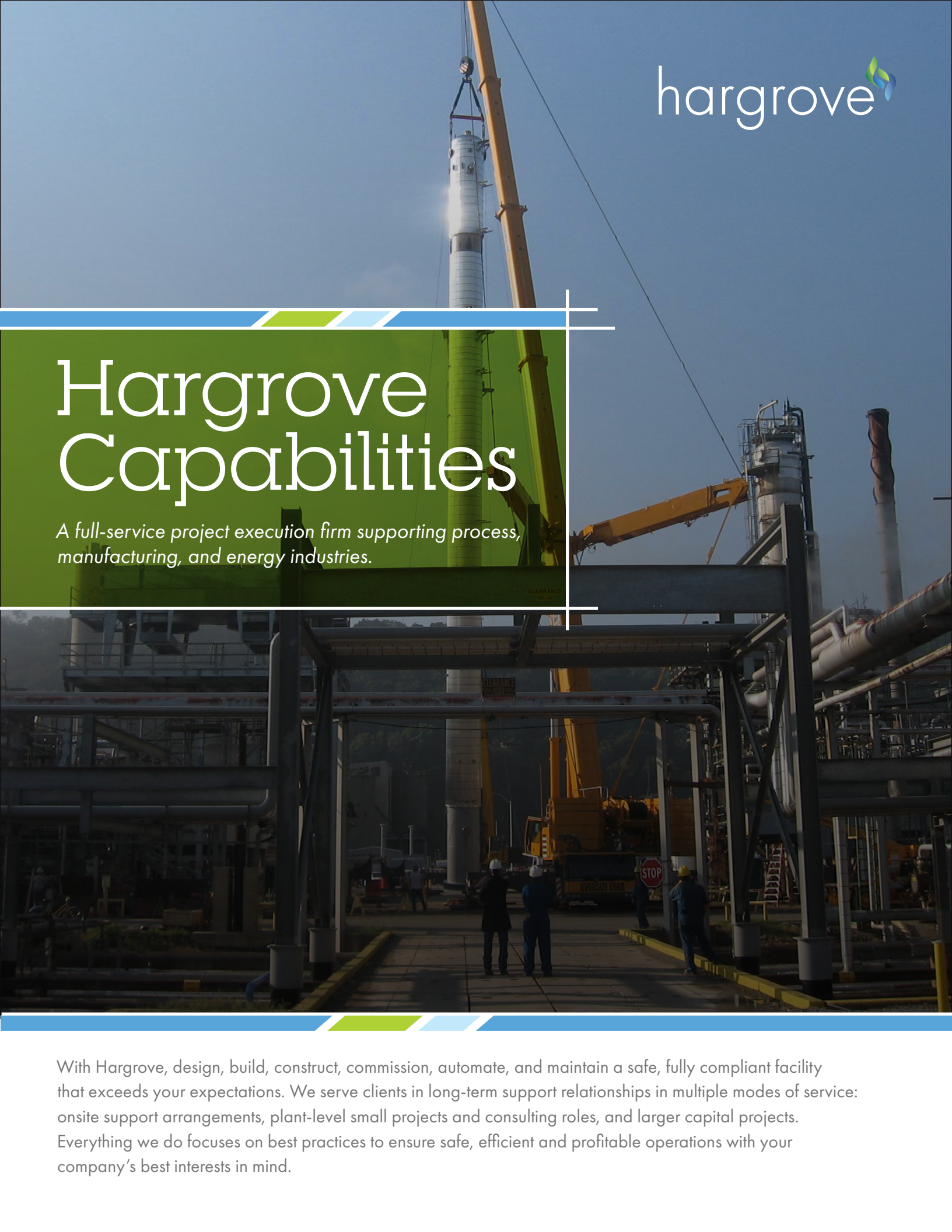


The title "Hargrove Capabilities" is centered in the upper half of the page. It is set against a green rectangular background that has a white border on its top and right sides. The text is in a large, white, serif font. The background image behind the text shows a tall industrial tower being lifted by a yellow crane at a construction site.

# Hargrove Capabilities

*A full-service project execution firm supporting process, manufacturing, and energy industries.*

The background of the entire page is a photograph of an industrial construction site. In the foreground, a yellow crane is lifting a tall, white cylindrical tower. In the middle ground, several workers in blue uniforms and hard hats are standing near a yellow truck. In the background, there are various industrial structures, pipes, and a tall chimney stack. The sky is clear and blue.

With Hargrove, design, build, construct, commission, automate, and maintain a safe, fully compliant facility that exceeds your expectations. We serve clients in long-term support relationships in multiple modes of service: onsite support arrangements, plant-level small projects and consulting roles, and larger capital projects. Everything we do focuses on best practices to ensure safe, efficient and profitable operations with your company's best interests in mind.



## Single Point of Accountability

Hargrove teams with our clients on all phases of project execution from preliminary engineering through detailed design, procurement, construction, automation, startup, and more. We work to understand your project drivers while meeting your scope, schedule, budget, quality, and communication expectations. Utilizing Hargrove as a single point of accountability for your project will reduce owner risk, reduce owner staffing, shorten project schedules, and increase cooperation and communication among all parties.

## Our Capabilities Include

*We design with the end in mind; a smooth construction process, successful commissioning and startup, and facility operability are key factors from the beginning of every project, no matter the size.*

- » Project scope development, definition and estimating
- » Engineering design and construction documents
- » 3D electronic modeling + 3D laser scanning
- » Engineering consulting: damage assessments, root cause analysis
- » Process simulation
- » Maintenance technical consulting: vibration analysis, oil analysis
- » Process safety management and mechanical integrity
- » Safety audits, procedures, and training
- » Industrial hygiene assessments and support
- » Maintenance consulting and scheduling systems
- » Outage and shutdown planning, scheduling, and management
- » DCS/PLC systems integration and panel fabrication
- » SIL analysis and selection
- » Program management and project controls
- » Electrical power system analysis and safety studies (NFPA 70E)
- » Project procurement services
- » Construction and construction management
- » Training and technical manual preparation
- » Technical support services for maintenance and operations
- » Design-build
- » Commissioning + startup services
- » GMP facility and design audit

