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Cantilever Climbing System



ibsa Formwork
Save Time, Money & Labor
Smart Solutions for Modern
Construction



ibsa Climbing Solutions

- ibsa Climbing Solutions provides innovative and reliable climbing platform systems designed for the safe and efficient construction of reinforced concrete core walls, lift shafts, stair cores, and other vertical structures.
 - Our engineering team develops customized internal and external climbing platform solutions tailored to each project's geometry, construction sequence, and loading requirements. The systems are designed to provide safe access, stable working areas, and continuous support for formwork operations throughout all construction stages.
 - The climbing platform system is specifically designed to support formwork installation and dismantling activities. It provides a safe and stable working platform for workers during the assembly and removal of formwork panels, tie rods, walers, and related accessories. The platform also serves as a support system for the formwork panels during construction operations, ensuring safe access, improved productivity, and enhanced safety standards while working at height.
 - A key advantage of the system is its ability to be lifted as a complete assembly, including platforms and formwork components, from one level to the next using standard lifting equipment. This significantly reduces dismantling and reinstallation time, minimizes labor requirements, and accelerates the overall construction cycle.
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Key Benefits

- Enhanced safety for personnel working at height.
- Stable working platforms for formwork and concreting operations.
- Reduced labor and installation time.
- Faster floor-to-floor construction cycles.
- Optimized material handling and site logistics.
- Custom-designed solutions to suit project-specific requirements.
- Compliance with international safety and engineering standards.

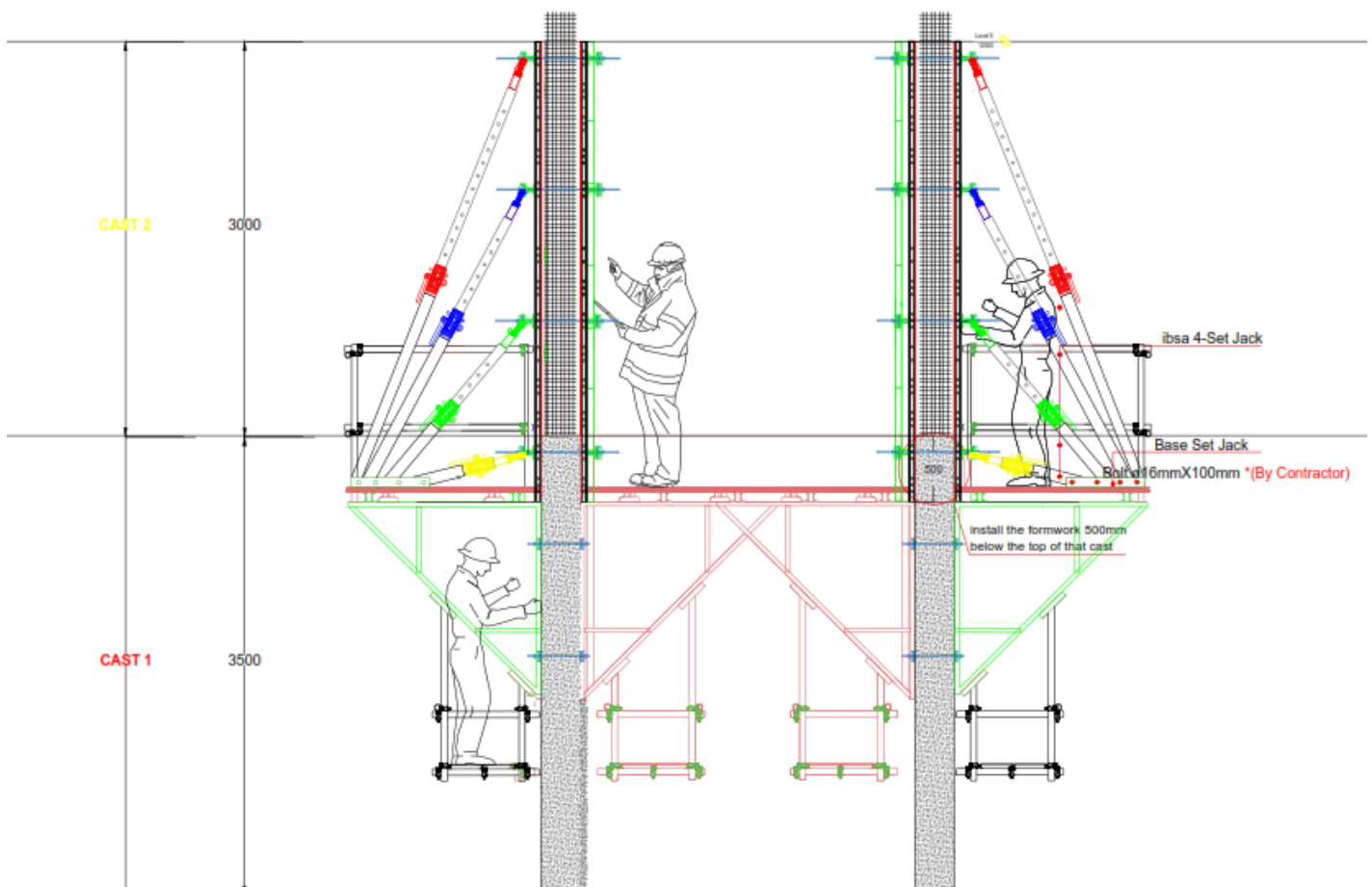
Scope of Services

- Engineering design and structural calculations.
- Preparation of detailed shop drawings and assembly drawings.
- Supply of internal and external climbing platform systems.
- Technical support during installation and operation.
- Site coordination and engineering assistance when required.

ibsa Climbing Solutions delivers efficient, safe, and cost-effective climbing systems that support contractors in achieving higher productivity while maintaining the highest levels of quality and safety on site.

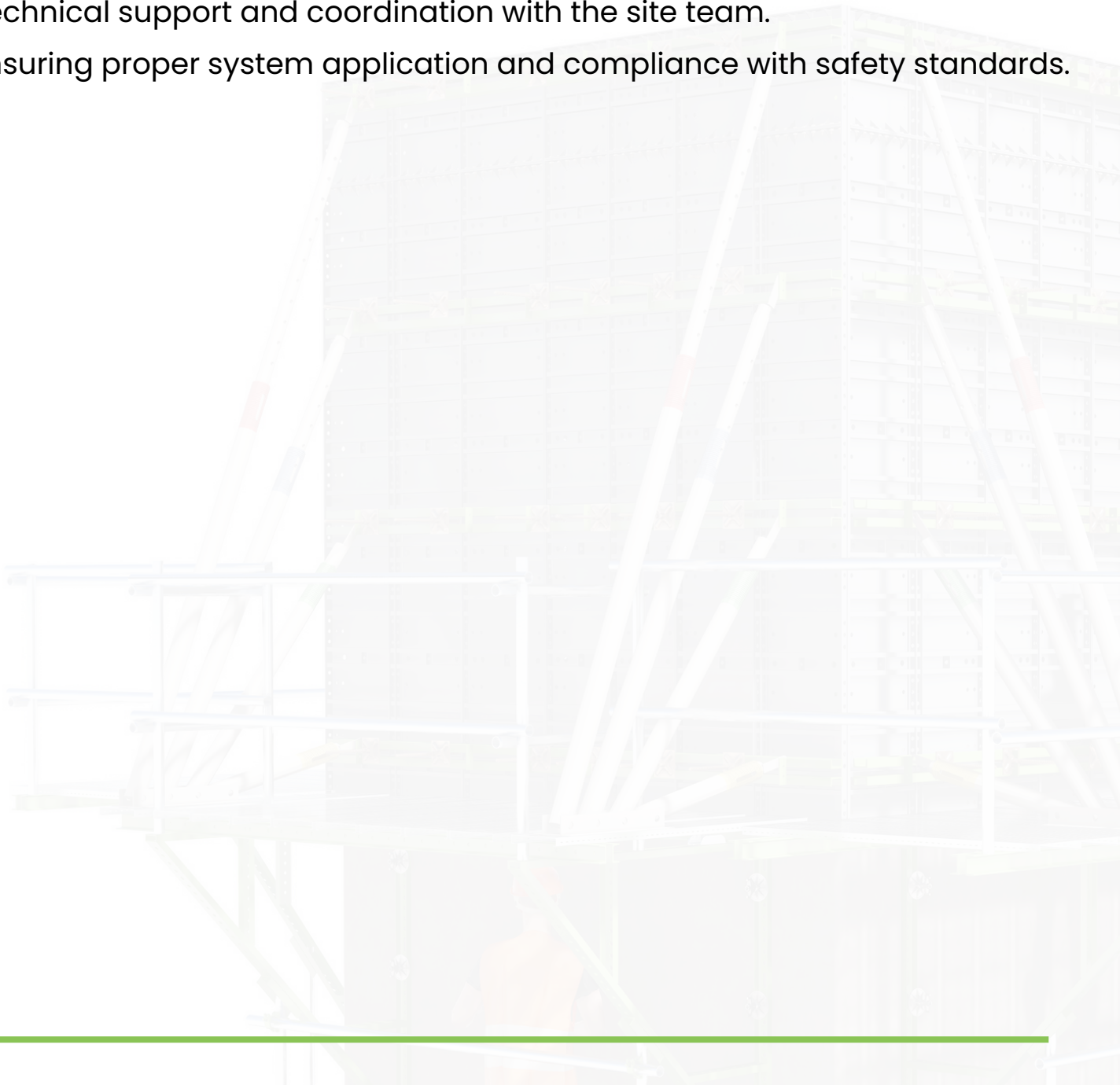
Description

- The safety cantilever climbing system is a working platform fixed to the core walls to support formwork panels, jacks, and workers during installation and concreting works.
- It provides a safe and stable access platform for all construction activities and is designed to carry full loads including the formwork system, fresh concrete pressure, and live loads.
- The console is specifically designed to support the full loads of the formwork and jacks, and it has been engineered as a complete load-bearing system with detailed load calculations carried out in accordance with approved engineering standards.
- The system is easy to install on internal core walls and can be lifted together with the full formwork system to upper floors without dismantling, improving safety and efficiency on site.

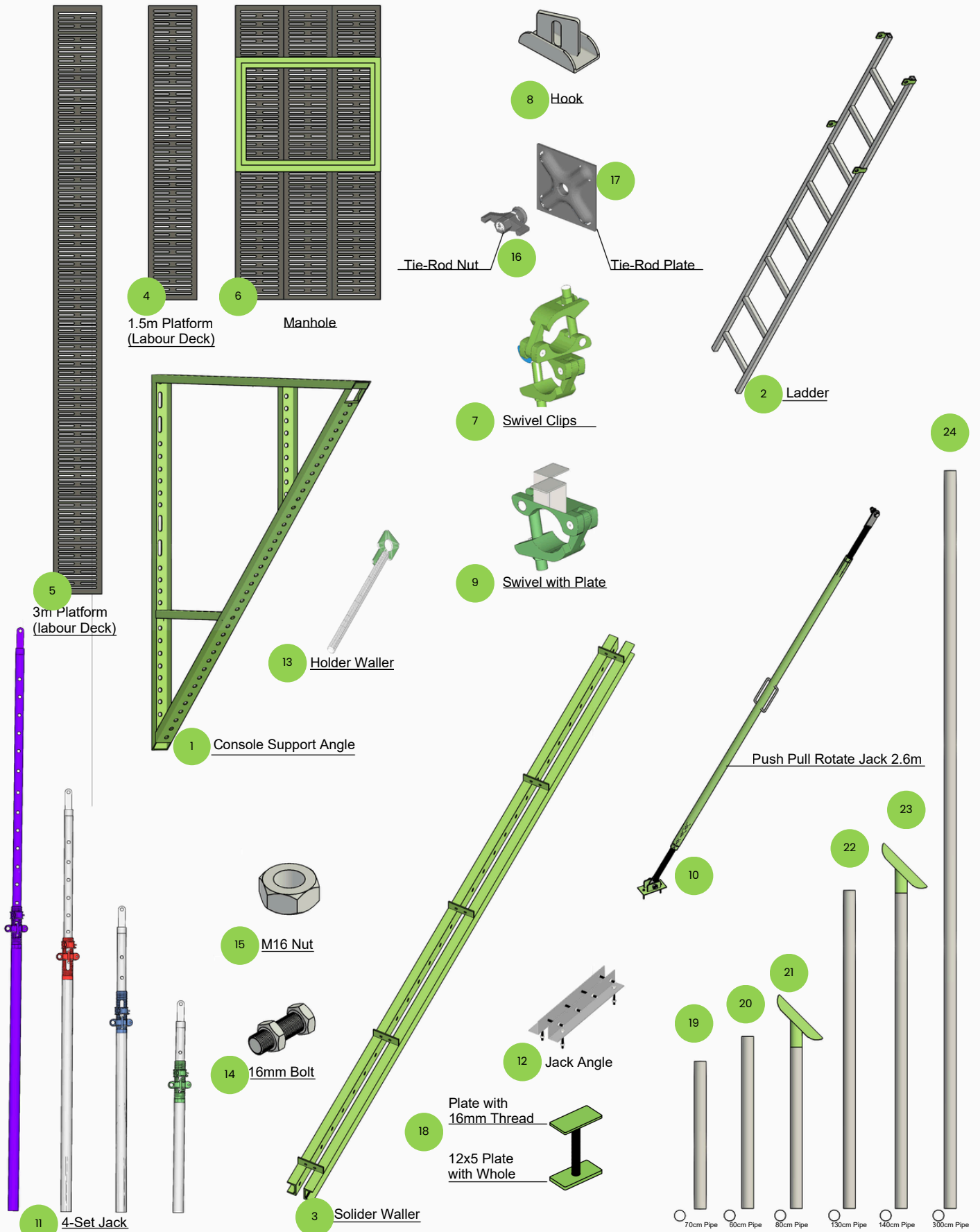


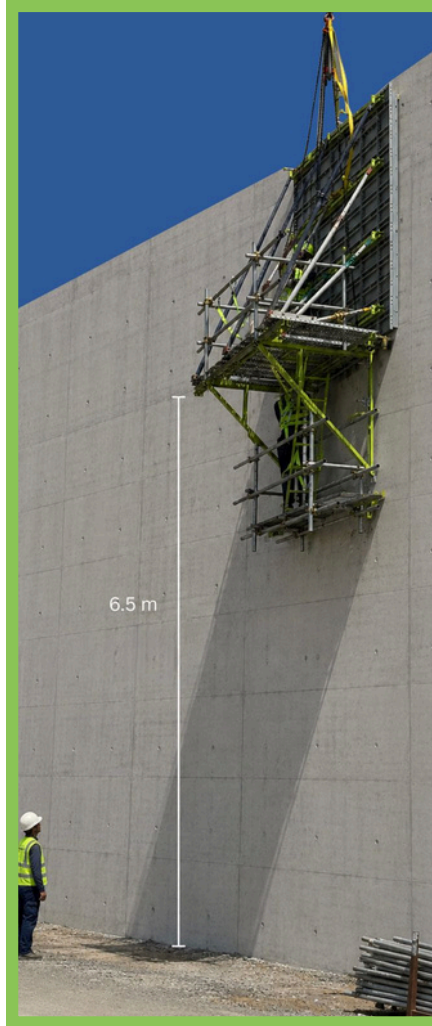
Technical Support & Site Supervision Services

- Comprehensive Shop Drawings with Full Material Take-Off for All Project Phases.
- Pre-installation training for foremen and workers.
- Continuous supervision during installation and dismantling stages.
- Regular site inspections throughout the project duration.
- Submission of inspection reports after each visit.
- Technical support and coordination with the site team.
- Ensuring proper system application and compliance with safety standards.



	Console Safety Platform Component	
No.	Component	Size (CM)
1	Support Angle	300*200*100
2	Ladder	200*35
3	Solider Waller	300
4	Platform 1 (labour deck)	150*25
5	Platform 2 (labour deck)	300*25
6	Manhole	150*75
7	Swivel Coupler	N/A
8	Hook Component	25*9
9	Swivel with Plate	N/A
10	Push Pull Jack 3m	300
10A	Push Pull jack 1m	100
11	4-Set Tekescope Jack	N/A
12	4-Set Telescope Jack Base (Angle)	N/A
13	Holder Waller	N/A
14	M16 Thread	Varies
15	M16 Nut	1.6
16	Tie-Rod Head	N/A
17	Tie-Rod Plate	15*15
18	Plate With 16mm Thread	12*5
	Console Safety Platform (Pipes)	
19	48Ø Horizontal Safety Pipe 1	Varies
20	48Ø Horizontal Safety Pipe 2	Varies
21	48Ø Basket Pipe B	Varies
22	48Ø Platform Vertical Safety Pipe	Varies
23	48Ø Basket Pipe A	Varies
24	48Ø 2-3m Horizontal Safety Pipe	Varies





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cantilever climbing system Two Side

- A high-quality temporary safety platform designed for concrete casting works in areas where no supporting floor or slab is available.
- The system consists of a heavy-duty steel structure, integrated safety guardrails, and secure anchoring points fixed to the concrete structure to ensure full compliance with safety standards and to minimize fall risks during execution.
- The platform is specially designed for installation inside project cores and remains operational throughout the entire construction period.



cantilever climbing system



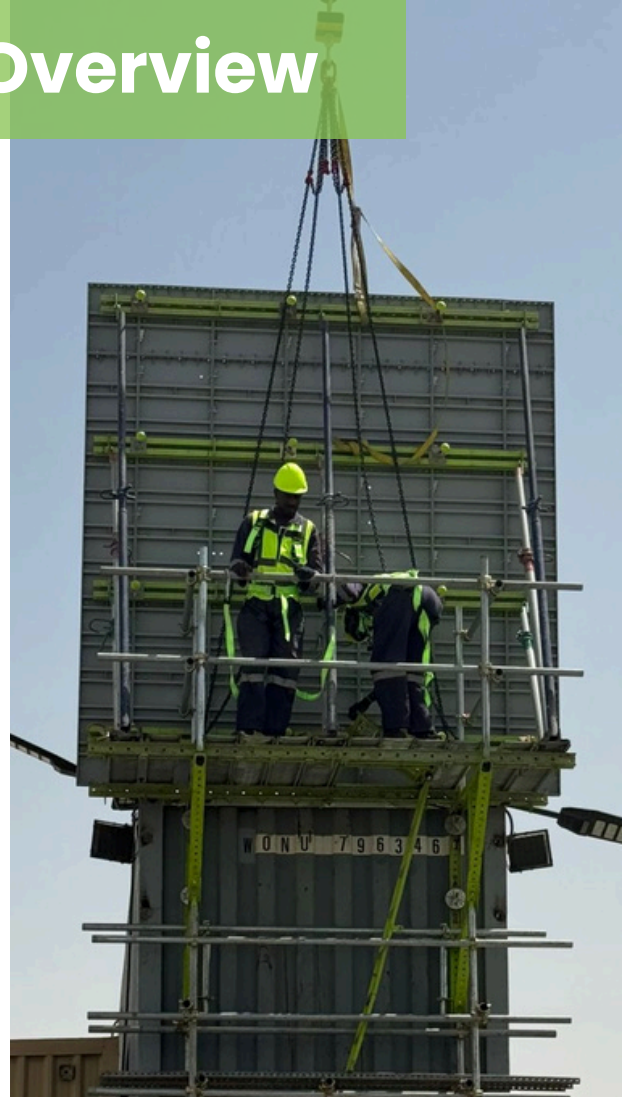
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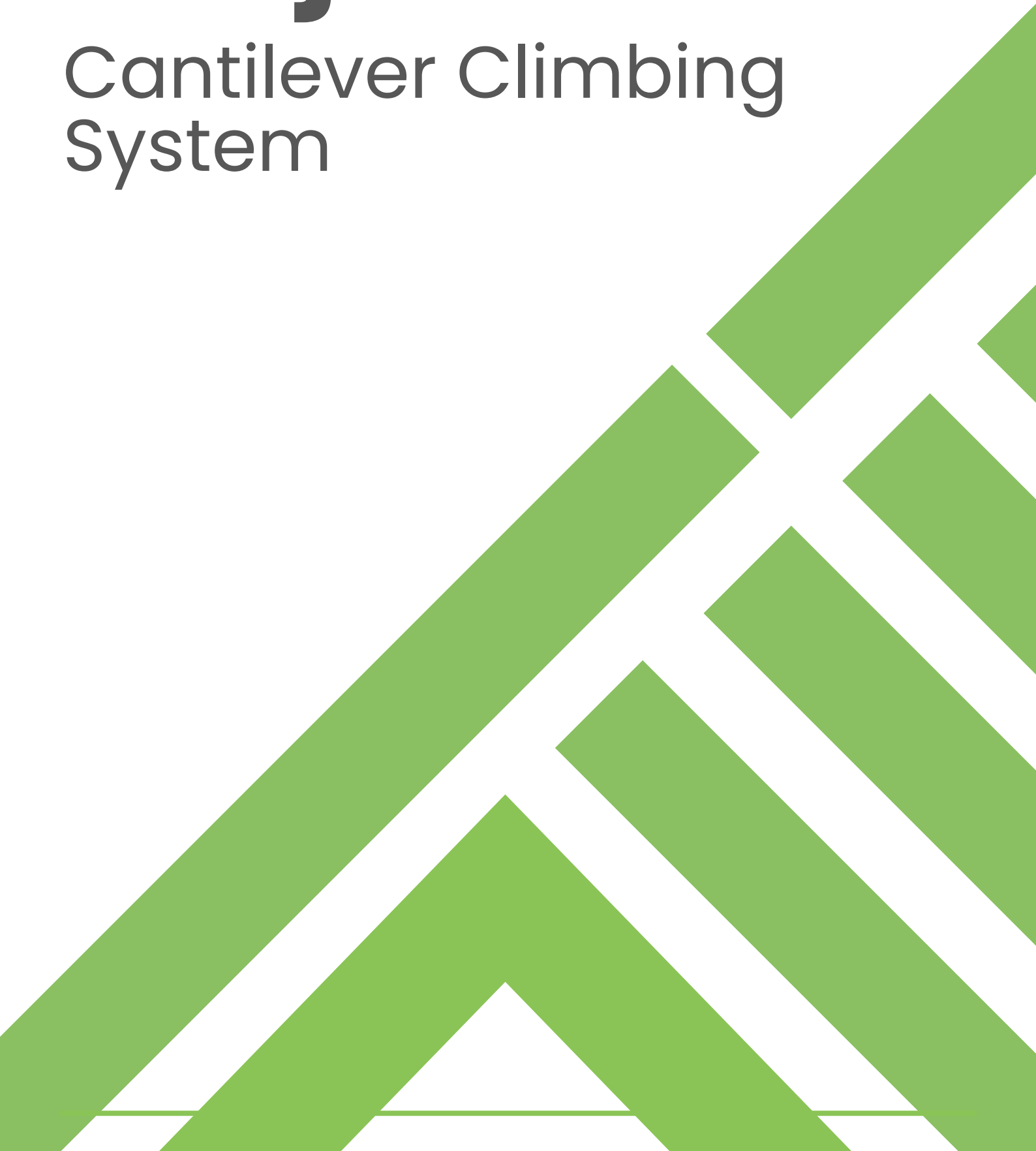
Items	Tube Size	Discriptions
Angle Support	75x1000 mm	• Heavy Duty U-Channel • Painted / Anti-rust • Fixed to concrete wall
Safety Guardrail	Ø45x1000 mm	• Galvanized Round Tube
Walking Platform Deck	As per span	• Steel Chequered Plate (Optional) • Anti-slip • Installed between 2 brackets

Production Overview



Projects

Cantilever Climbing System

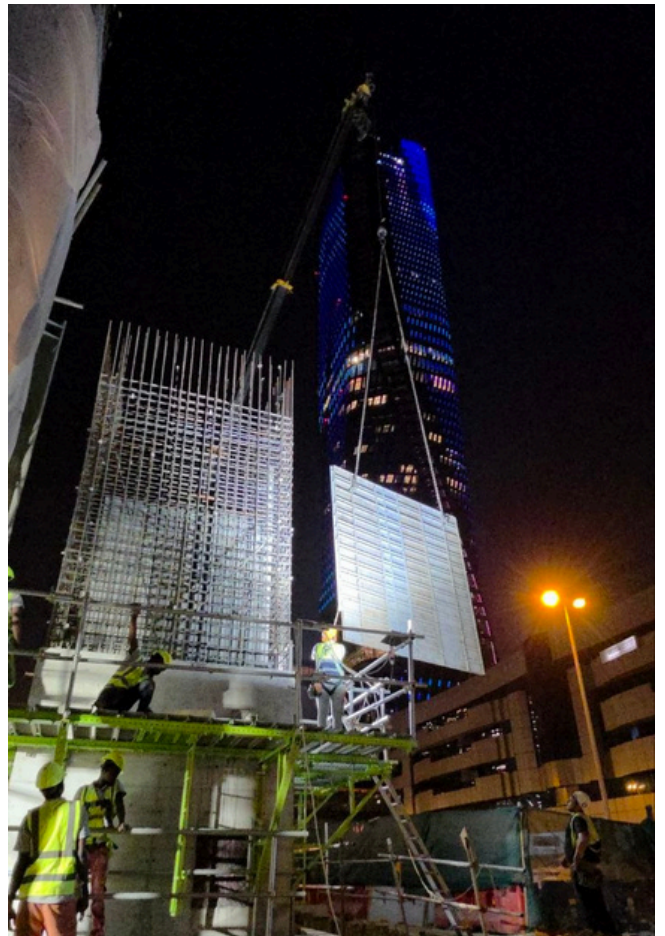


Kabri Intentional

Dubai, United Arab Emirates

Date: May 2026

Contracting Project type: bridge



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Contact Info



+971 58 505 8666



Info@ibsa.ae



www.ibsa.ae



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