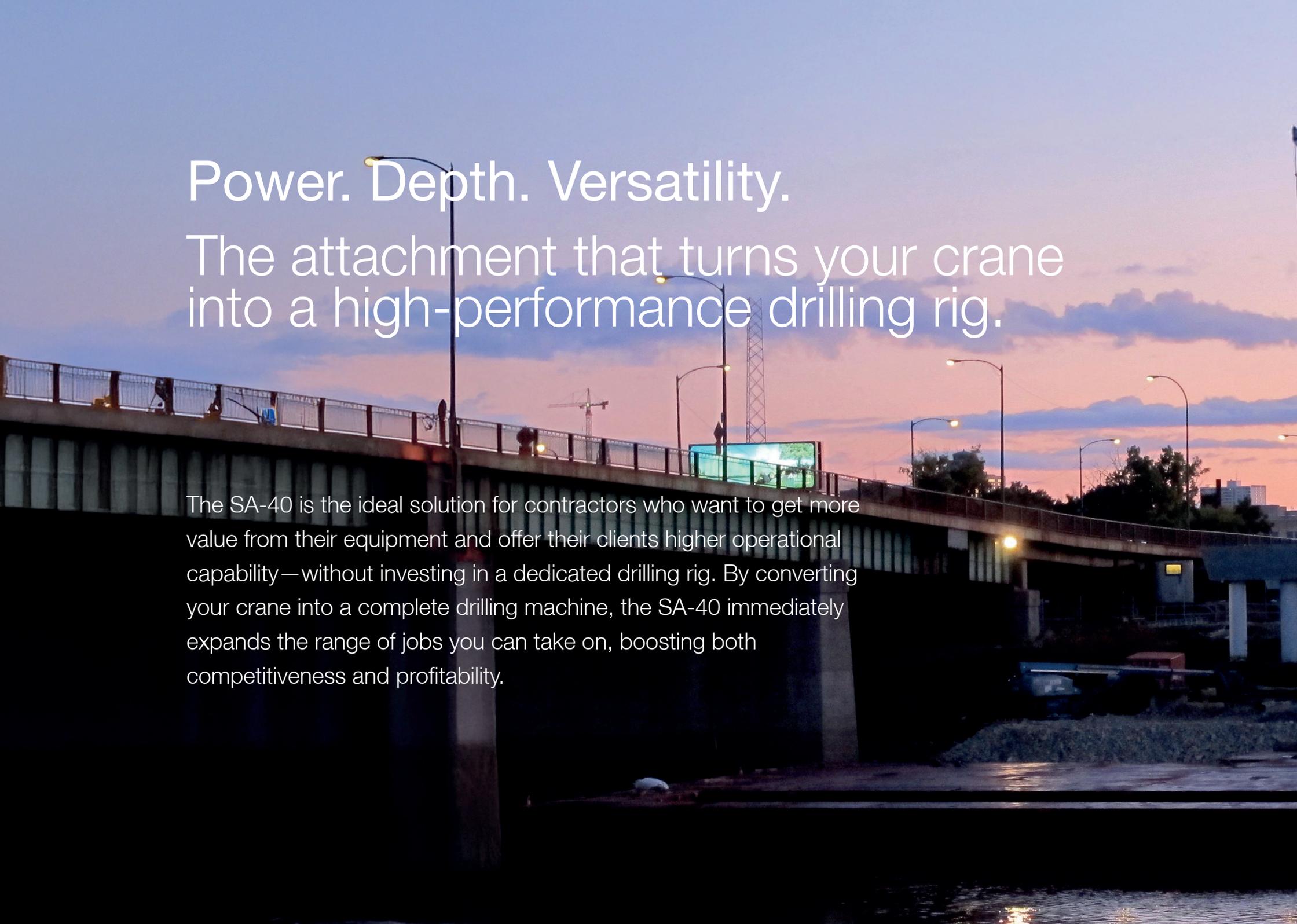


SA-40

Crane
attachment



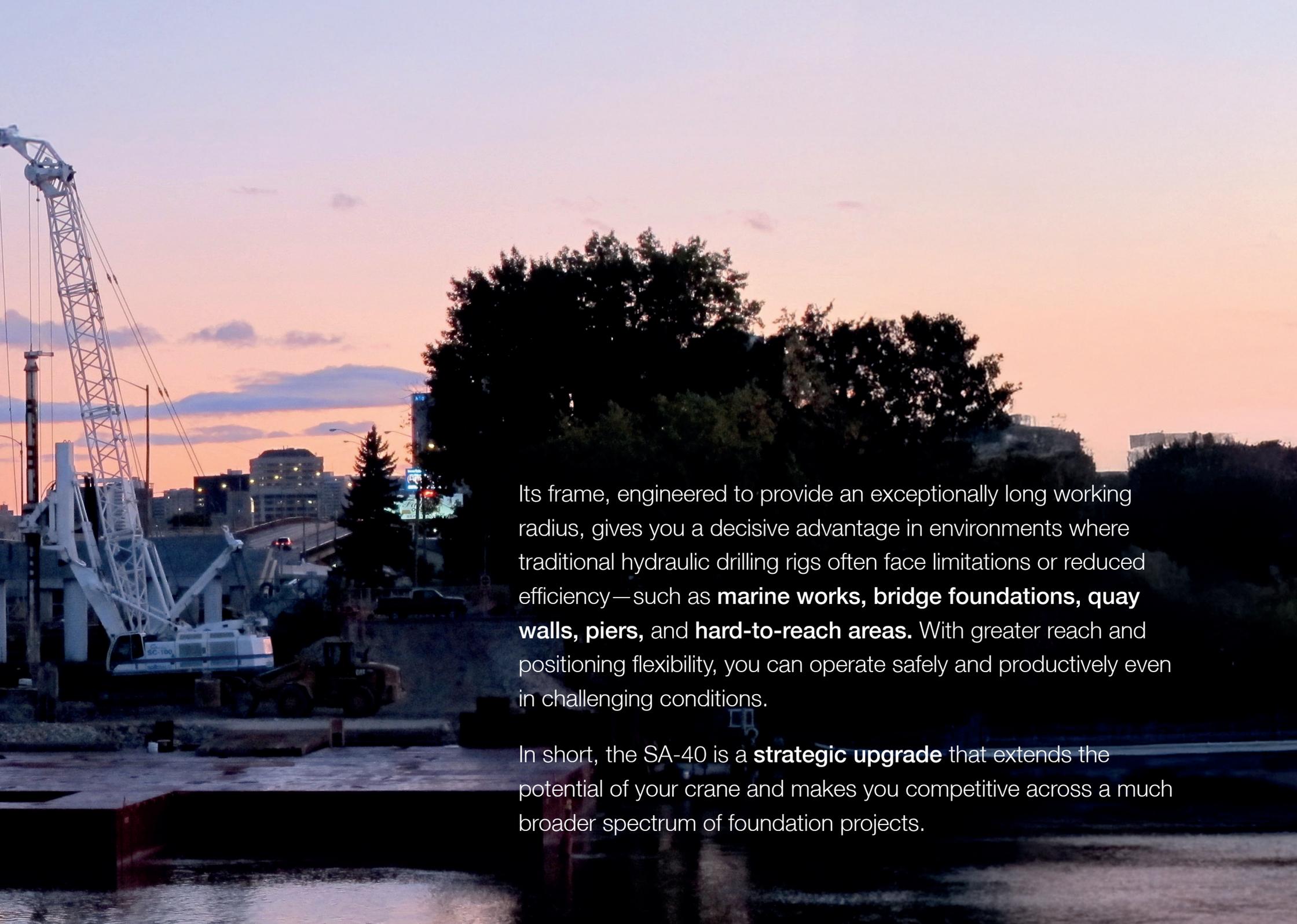
soilmec®
Drilling and Foundation Equipment



Power. Depth. Versatility.

The attachment that turns your crane into a high-performance drilling rig.

The SA-40 is the ideal solution for contractors who want to get more value from their equipment and offer their clients higher operational capability—without investing in a dedicated drilling rig. By converting your crane into a complete drilling machine, the SA-40 immediately expands the range of jobs you can take on, boosting both competitiveness and profitability.



Its frame, engineered to provide an exceptionally long working radius, gives you a decisive advantage in environments where traditional hydraulic drilling rigs often face limitations or reduced efficiency—such as **marine works, bridge foundations, quay walls, piers, and hard-to-reach areas**. With greater reach and positioning flexibility, you can operate safely and productively even in challenging conditions.

In short, the SA-40 is a **strategic upgrade** that extends the potential of your crane and makes you competitive across a much broader spectrum of foundation projects.

SA-40

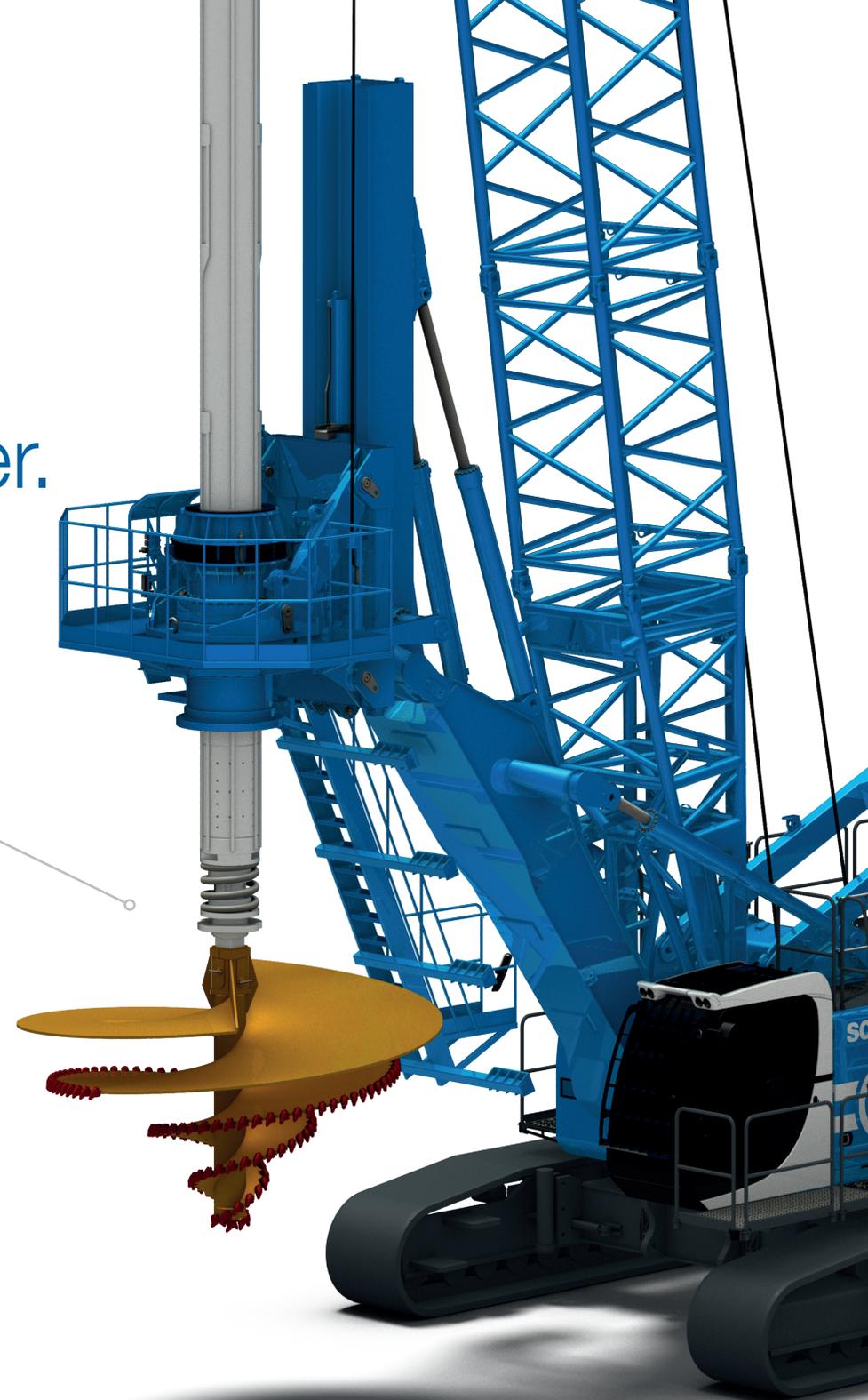
is the top-performing
solution for LDP in water.

More jobs with a single machine

Transform your crane into a hydraulic drilling rig, giving you access to new types of projects without the need to purchase a dedicated machine.

Extreme capacity for large-scale projects

The ability to install piles up to 3,500 mm in diameter and reach 100 m in depth allows you to confidently tackle even the most demanding foundation works.





An investment that keeps generating value

Extend the service life of your crane, expand your company's offering, and increase competitiveness in tenders and special foundation projects.

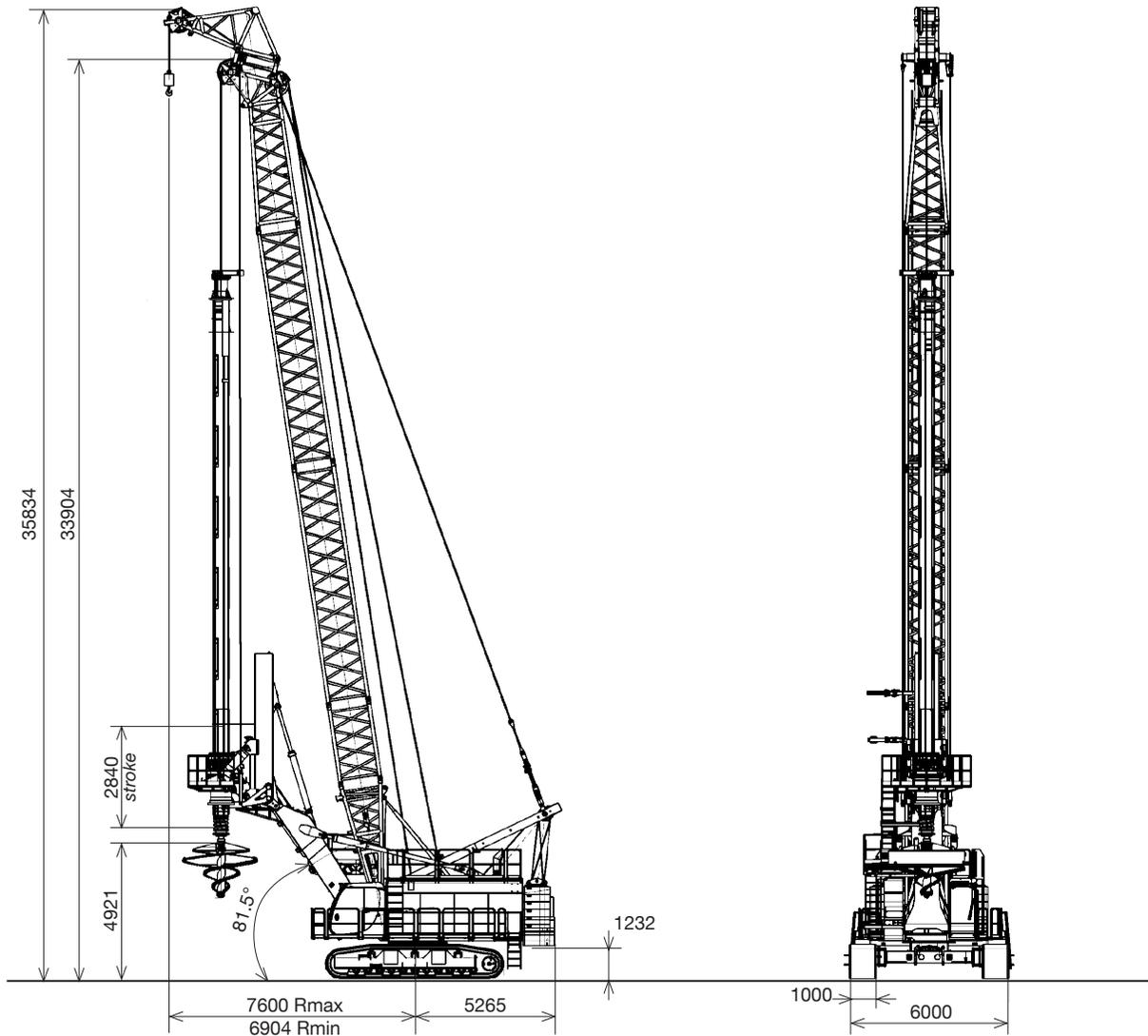
Precision and stability in the toughest conditions

Components engineered to maintain verticality and control deliver cleaner holes, fewer reworks, and consistently high-quality results.

Superior safety and operational continuity

Safe access points and dedicated stabilization systems reduce risks and speed up inspections, ensuring more effective working time on site.

SA-40



Operating weight w/o kelly bar	26500 kg	58422 lb
Working radius	7000 mm	276 in
Max diameter	3000 mm	118 in
Max depth	100 m	328 ft

Kelly bar for LDP

	Kelly type	Kelly dimensions	Drilling depth		Weight	
			m	ft	t	t (US)
4 parts	BL HD	4 x 14	51 m	169 ft	10,9	12,0
	BL HD	4 x 19,5	69 m	225 ft	14,4	15,9
	FR HD	4 x 19,5	73 m	240 ft	14,4	15,9
	BL HD	4 x 22	79 m	259 ft	16,0	17,6
5 parts	FR HD	5 x 15,5	72 m	237 ft	13,9	15,3
	FR HD	5 x 17,5	82 m	269 ft	15,5	17,1
	FR HD	5 x 19,5	91 m	300 ft	17,0	18,7
	FR HD	5 x 22	100 m	328 ft	19,3	21,3

Standard

- Kelly guide head c/w guide rope tension kit
- Swivel for main rope
- Platform kit c/w hand rail
- Step ladder c/w handrail
- Mast and mast support c/w stabilizing cylinder
- Rotary head lubrication system
- Crowd cylinder system
- Automatic rope tensioning kit

Optional

- Casing drive plate
- Cardan shaft for casing driver

Technical data

Rotary		
Type	3 Gears	
Max torque	413 kNm	304608 lb*ft
Rated torque	387 kNm	285432 lb*ft
Max drilling speed	25 rpm	25 rpm
Spin off speed	53 rpm	53 rpm
Weight (w/o cradle and casing flange)	4500 kg	9921 lb

CCS_Cylinder Crowd System		
Stroke	2840 mm	112 in
Pull up crowd force	180 kN	40465 lbf
Pull down crowd force	180 kN	40465 lbf
Speeds (slow / fast)	3,5 / 11,4 m/min	11 / 37 ft/min

Crane minimum performance required		
Crane weight	100000 kg	220460 lb
Winch line pull (1st layer)	300 kN	67442 lbf
Main pumps flow	650 l/min	172 US gal/min
Auxiliary pump flow	110 l/min	29 US gal/min

SC-130HD c/w SA-40		
Operating weight	155000 kg	341713 lb
Boom length	32 m	105 ft
Working radius	7600 - 6900 mm	299 - 272 in
Configuration 1		
Winch line pull (1 st layer)	300 kN	67442 lbf
Filled Bucket weight c/w 4X22 Kelly bar	4100 kg	9039 lb
Max Depth	79 m	258 ft
Configuration 2		
Winch line pull (1 st layer)	350 kN	78682 lbf
Filled bucket weight c/w 4X22 Kelly bar	8500 kg	18739 lb
Filled bucket weight c/w 5X22 Kelly bar	3980 kg	8774 lb
Max depth	100 m	328 ft

Transport

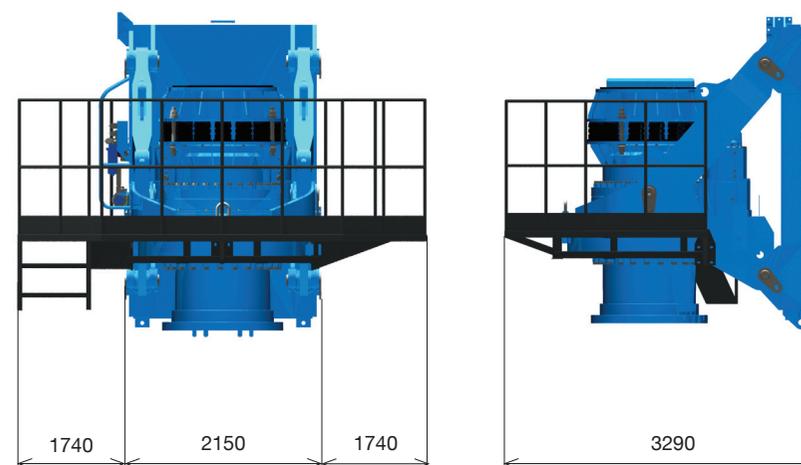
Dimensions and Weights

Rotary		
Dimension W x L x H	450 / 2150 / 2290 mm	18 / 85 / 90 in
Weight	12000 kg	26455 lb

Mast		
Dimension W x L x H	1274 / 5830 / 900 mm	50 / 230 / 35 in
Weight	5800 kg	12787 lb

Mast support		
Dimension W x L x H	2240 / 6268 / 1089 mm	88 / 247 / 43 in
Weight	4370 kg	9634 lb

Platform & service ladder		
Platform dimension W x L x H	3380 / 2010 / 1745 mm	133 / 79 / 69 in
Platform Weight	388 kg	855 lb
Ladder Weight	350 kg	772 lb
Length	12633 mm	497 in



A close-up photograph of a muddy tire tread on a dirt surface. The tire is on the left side of the frame, and the mud is dark brown and textured. The background is blurred, showing more of the dirt and a hint of a blue object.

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#muddyboots