STARKE

HYDRAULIC IMPACT HAMMER

HHP4-HHP10

INTELLIGENT MANUFACTURER
OF PILING EQUIPMENT

Hydraulic Impact Hammer
STARKE 01
HHP4-HHP10

STARKE
Full of Might.

NO. 1 Market share
Domestic data

The 1st Hydraulic hammer manfacture in China
Domestic data

Energy transfer rate
Up to 94%

Striking Energy
can be adjusted arbitrarily

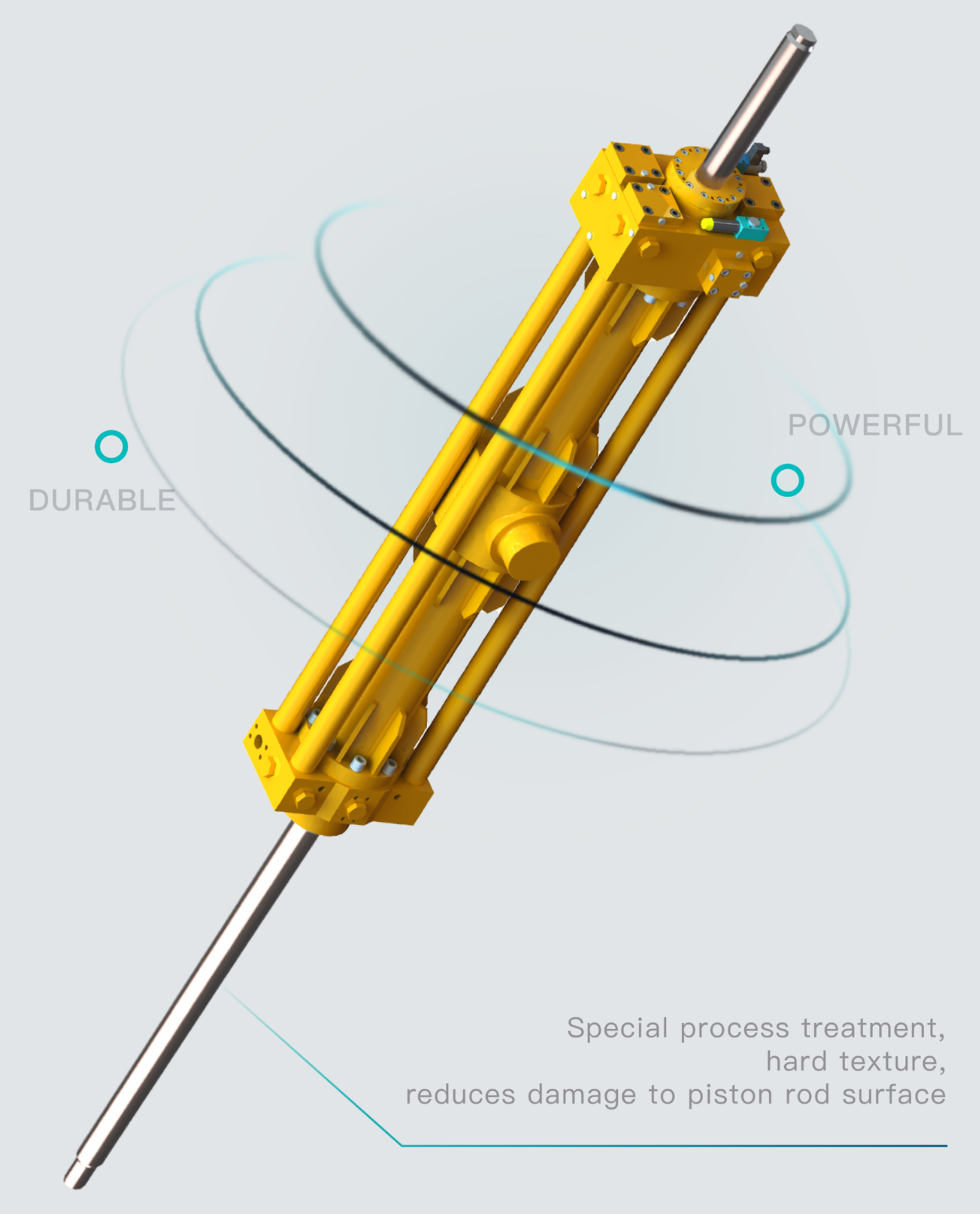
Longer service life than similar products
Up to 50%

Patents
NO.1
Domestic data

Strong adaptability, suitable for various hydraulic systems

Hydraulic Impact Hammer

Hydraulic Cylinder



Special process treatment,
hard texture,
reduces damage to piston rod surface

Durable & Strong

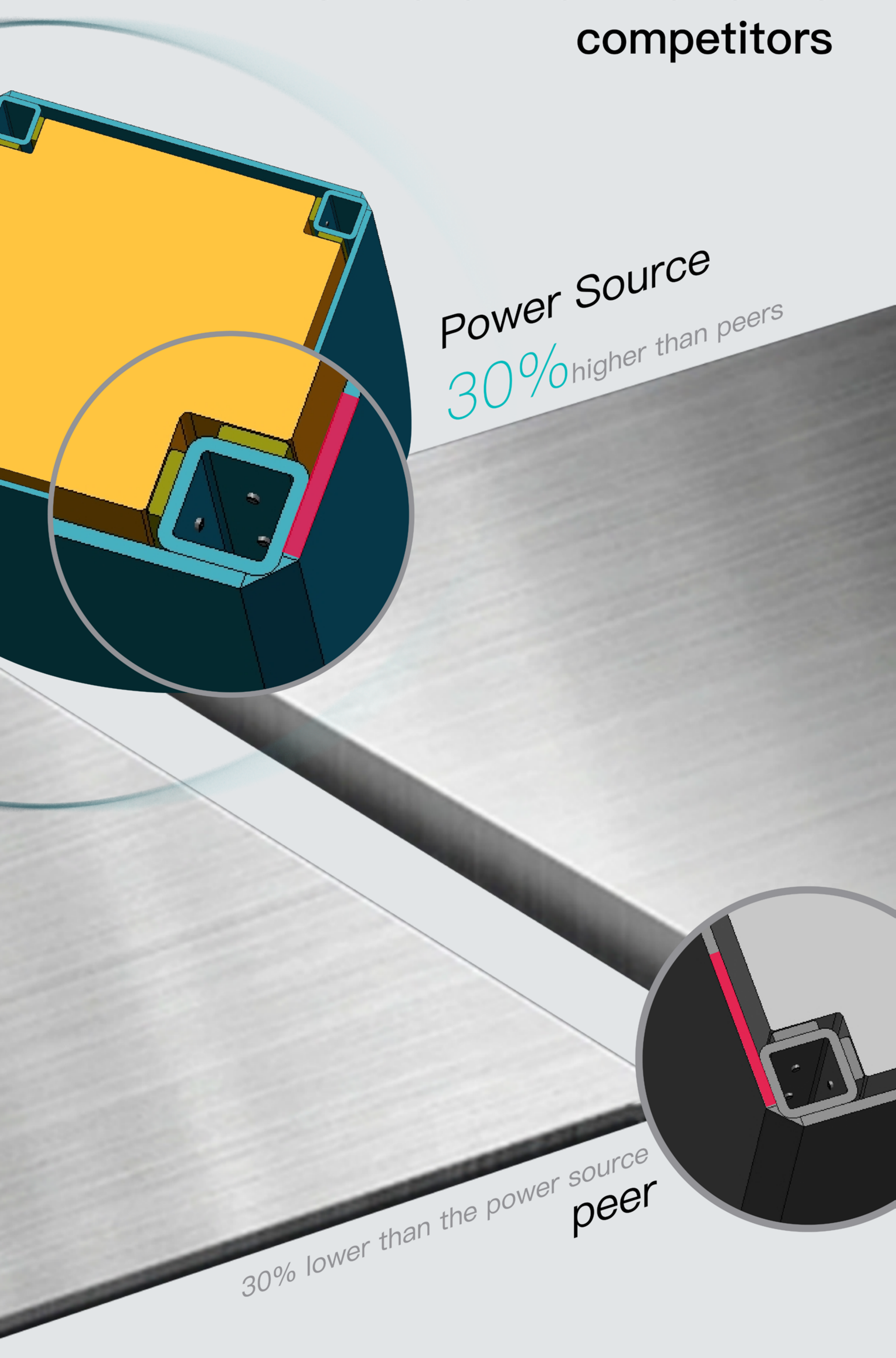
Pressure Bearing
Capacity

Hydraulic Impact Hammer

Hammer Ram

Materials

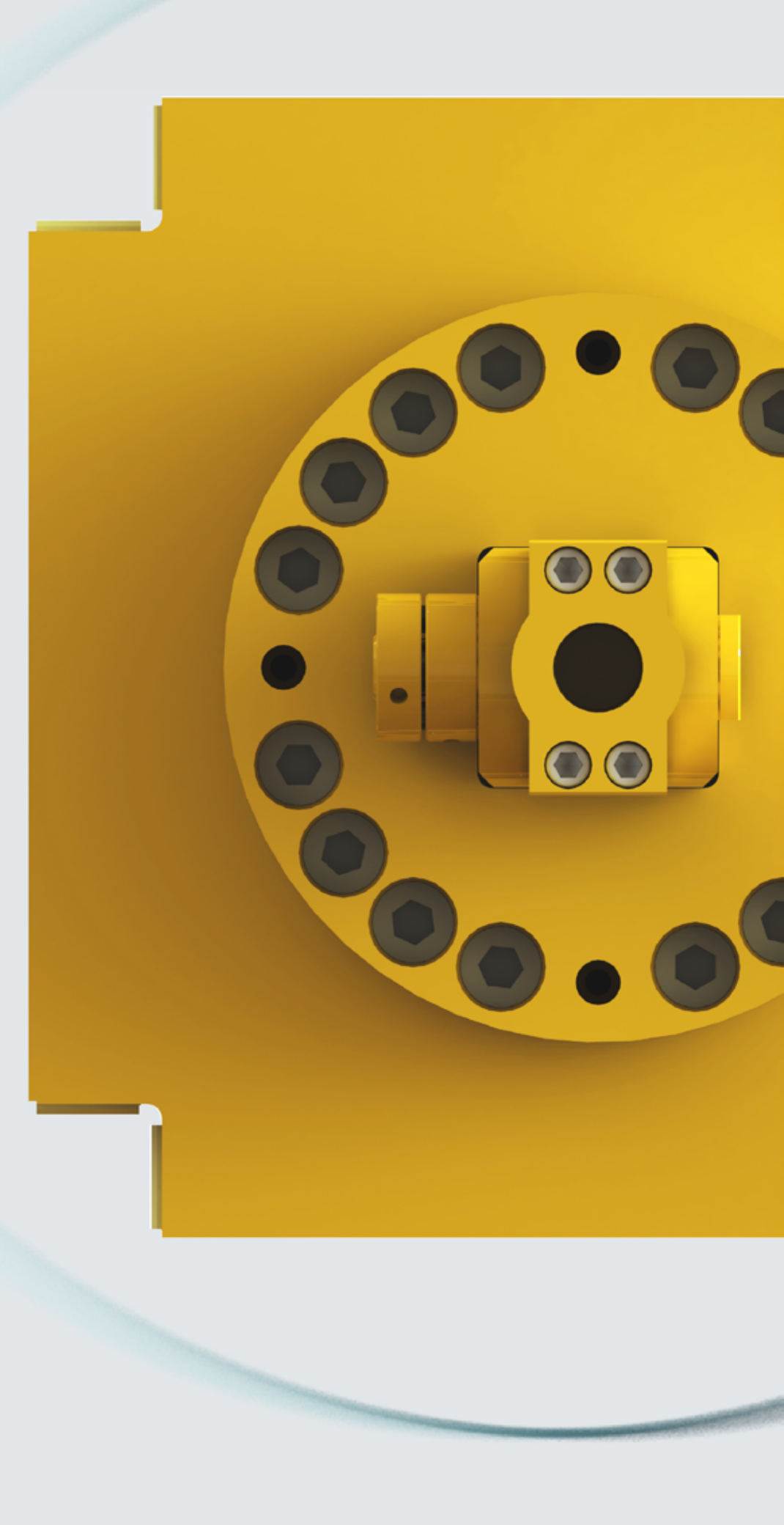
The material is solid.
The steel body
is thicker than that of its
competitors



High Strength

Forged Hammer Ram

High Efficient



Hydraulic Impact Hammer

Visual Operation Box

Accurate

The operation box allows precise control of the system pressure and number of striking blows,adjustment of stroke distances and display striking energy in real time

Information
visualization

Hydraulic Impact Hammer

Piling Recorder (Optional)

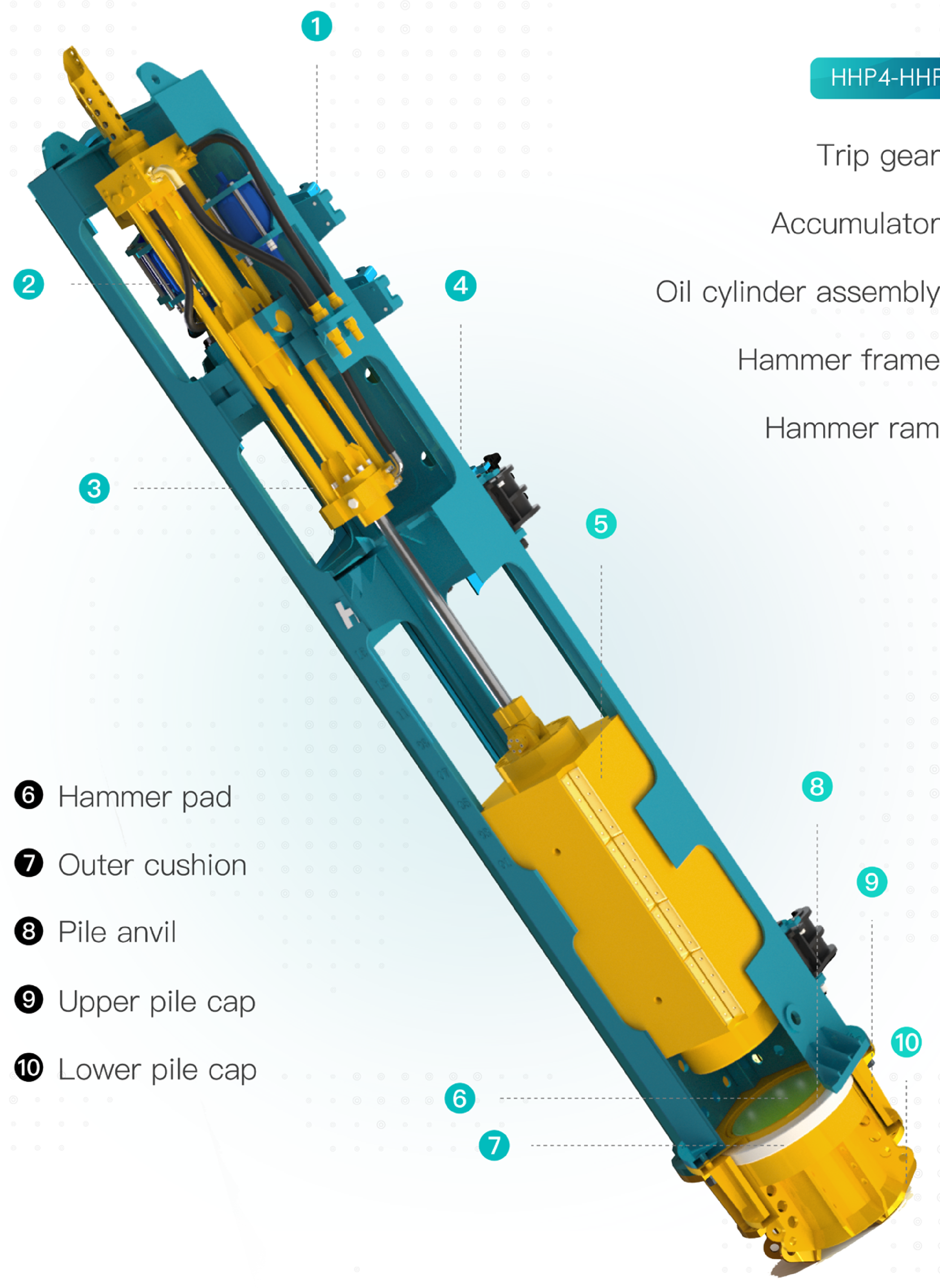
Real-time Data Logging

Construction company	
Project name	
Pile no.	6(example)
Pile length/m	100(example)
Single pile total/KJ	256.8(example)
Piling energy	45(example)
Initial depth/m	50.0(example)
Detection benchmark distance/m	0.5(example)

Precision all around.

Main Structure

HHP4-HHP10

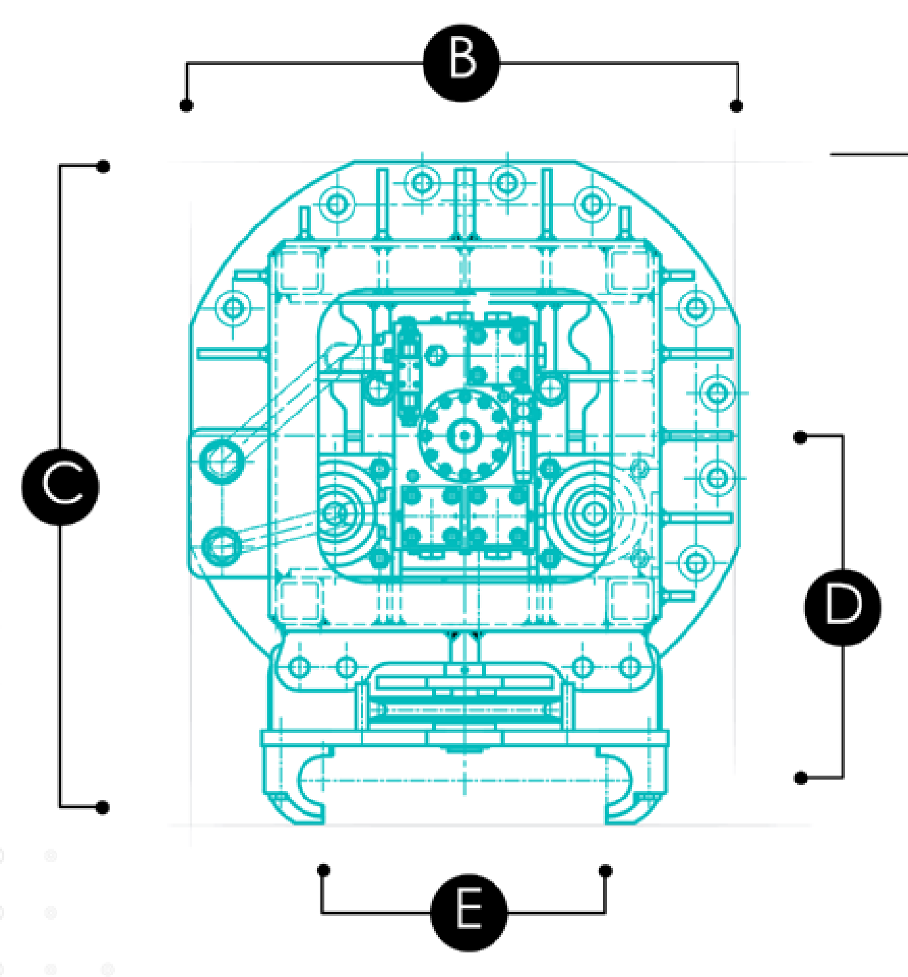


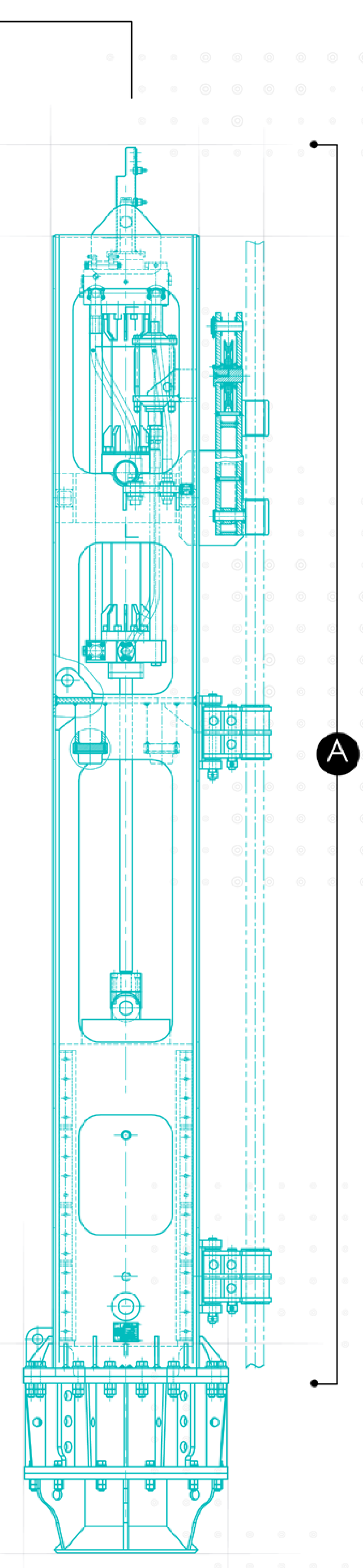
- Trip gear ❶
- Accumulator ❷
- Oil cylinder assembly ❸
- Hammer frame ❹
- Hammer ram ❺

- ❻ Hammer pad
- ❼ Outer cushion
- ❽ Pile anvil
- ❾ Upper pile cap
- ❿ Lower pile cap

Hydraulic Impact Hammer

Technical Parameters

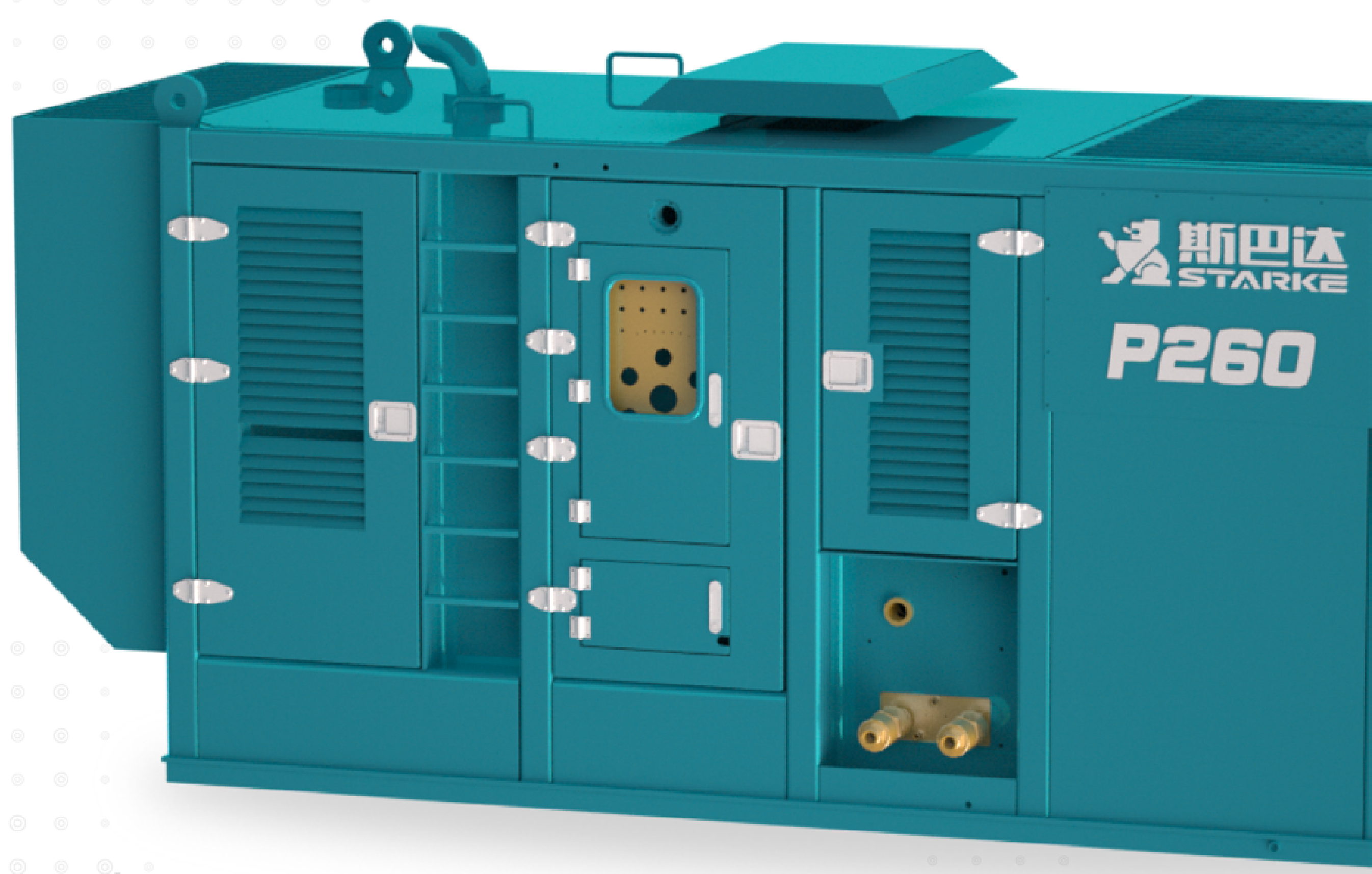




Hydraulic impact hammer model	UNIT	HHP4	HHP5	HHP8	HHP10
Max strike energy	kJ	48	60	120	150
Max. stroke of hammer	mm	1200	1200	1500	1500
Strike frequency(max./min)	bpm	80/36	80/36	80/30	80/36
Ram weight	kg	4000	5000	8000	10000
Lifting hydraulic cylinder		Single Lifting Hydraulic Cylinder			
Ⓐ Height of hammer (without pile cap)	mm	5267	5397	6987	7320
Ⓑ Horizontal width of hammer	mm	950	950	1165	1135
Ⓒ Vertical height of hammer	mm	1200	1283	1400	1400
Ⓓ Distance between center of hammer and guides	mm	700	750	730	740
Ⓔ Distance between center of guides	mm	600	600	600	600
Hammer weight (without pile cap)	kg	6595	7605	12255	16420
Trip gear weight	kg	390	390	595	630

Hydraulic Impact Hammer

Optional Power Packs



Diesel engine power pack

Power pack model	P260	P325
Brand of engine	Cummins C260	Cummins C325
Power of engine	194 kW/2000 rpm	239 kW/2000 rpm
Rated pressure	26 Mpa	26 Mpa
Max.flow	260 L/min	380 L/min
Hydraulic oil tank	1850 L	1850 L
Diesel oil tank	550 L	550 L
Overall size(L*W*H)	4100*1750*2200 mm	4100*1750*2200 mm
Power pack weight	5250 kg	5250 kg

Strong Adaptability.

Hydraulic Impact Hammer
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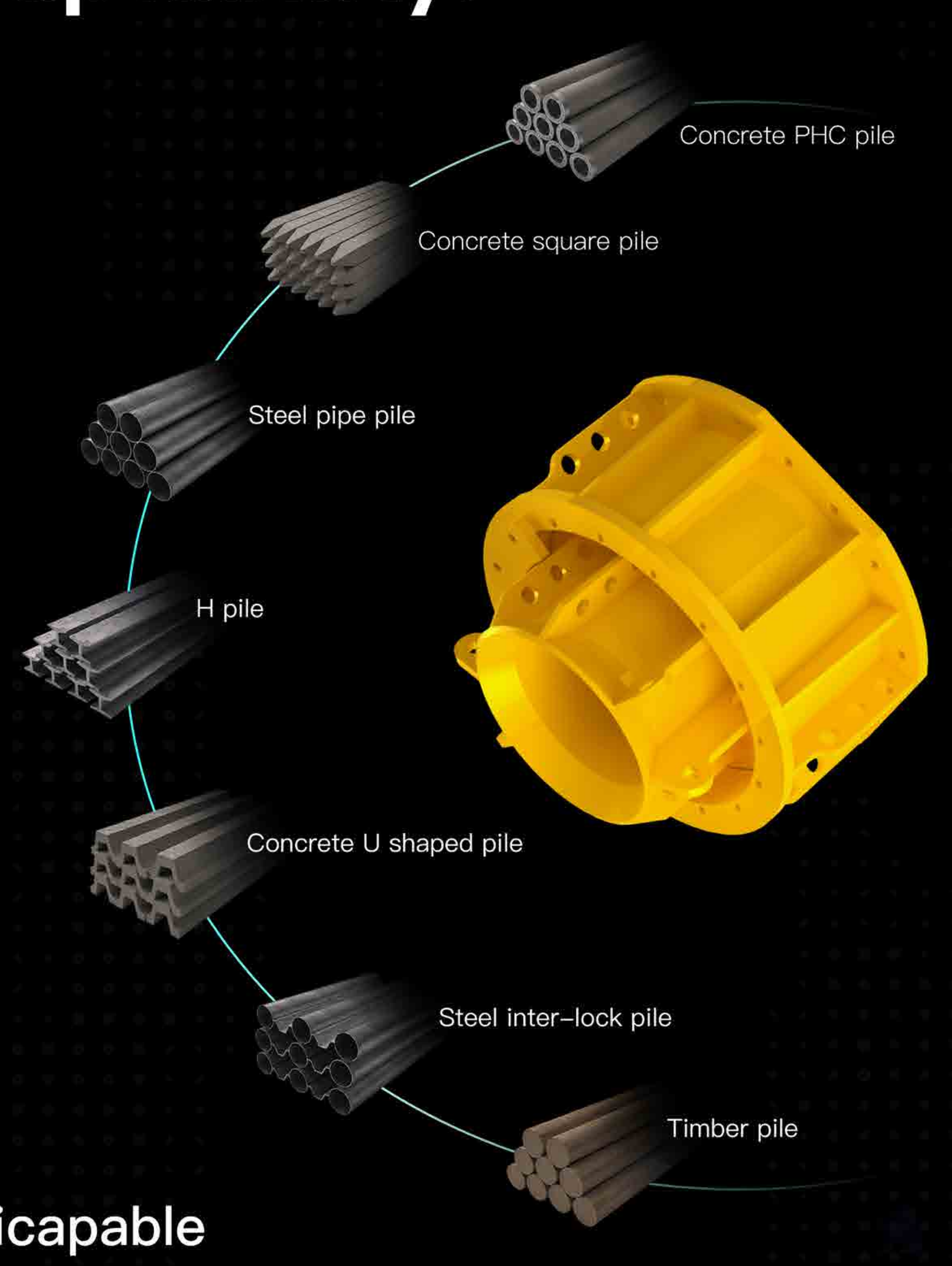
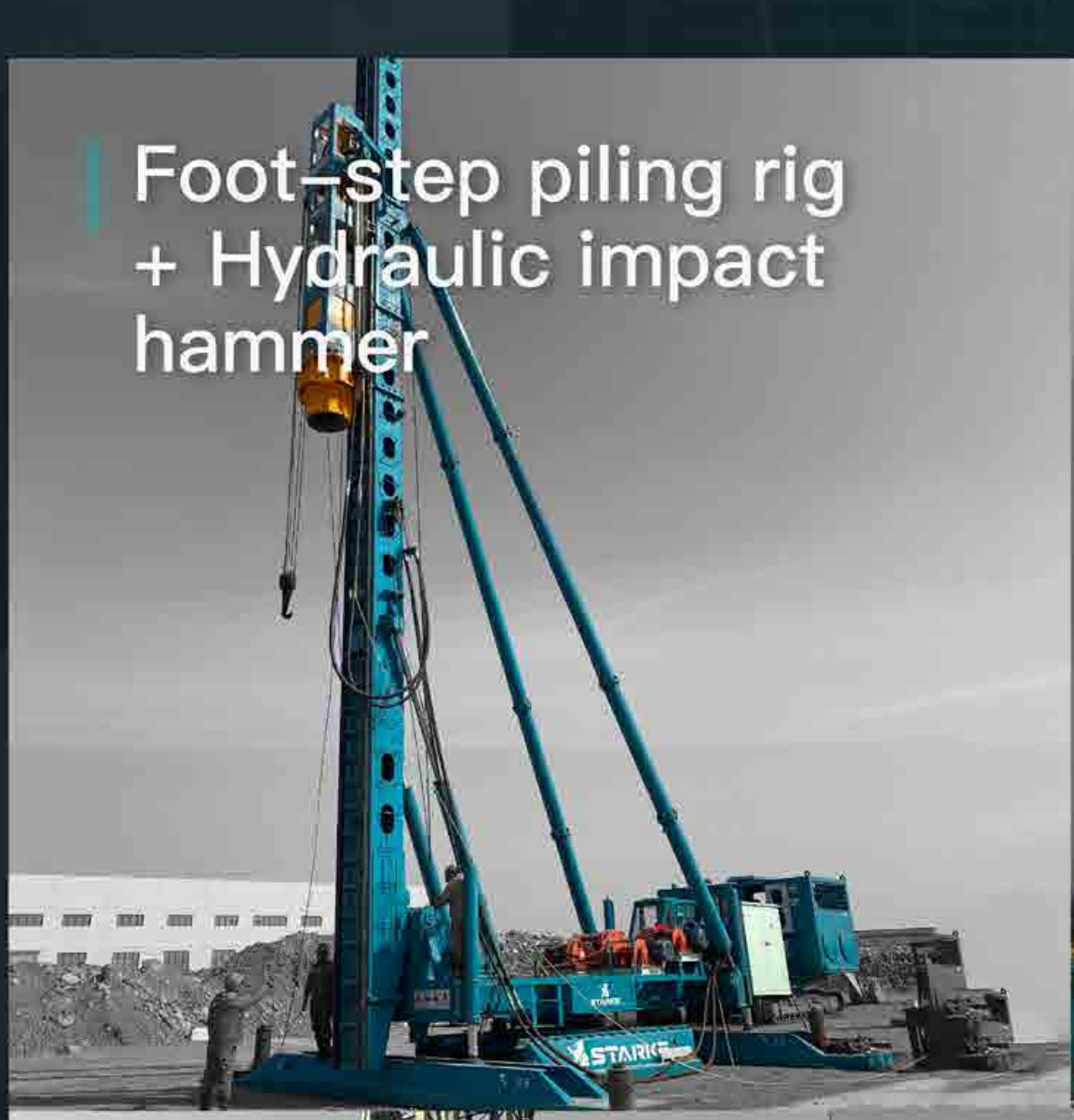


Applicapable Pile Types

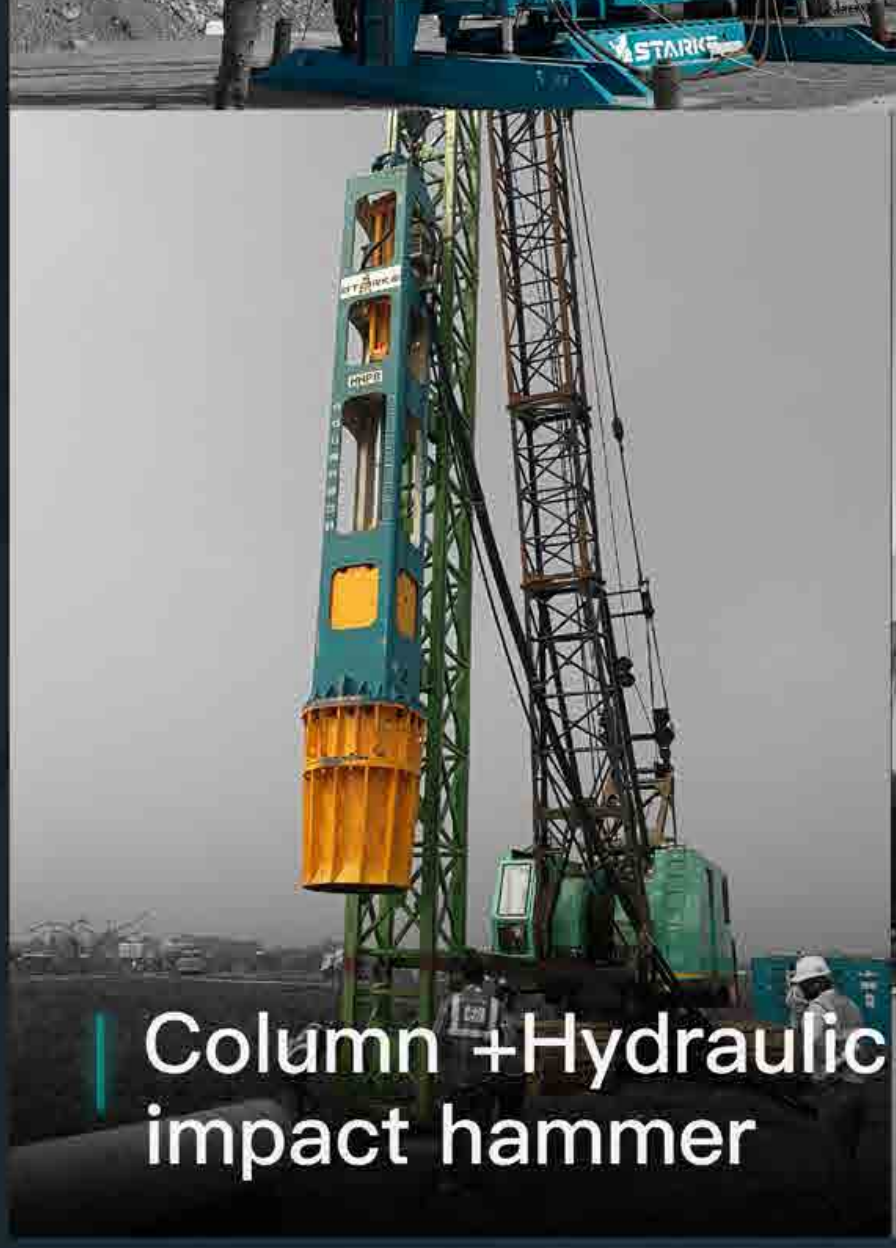
*Pile caps can be customized according to the actual needs of customers.

Hydraulic Impact Hammer

Matching Piling Method


Foot-step piling rig + Hydraulic impact hammer

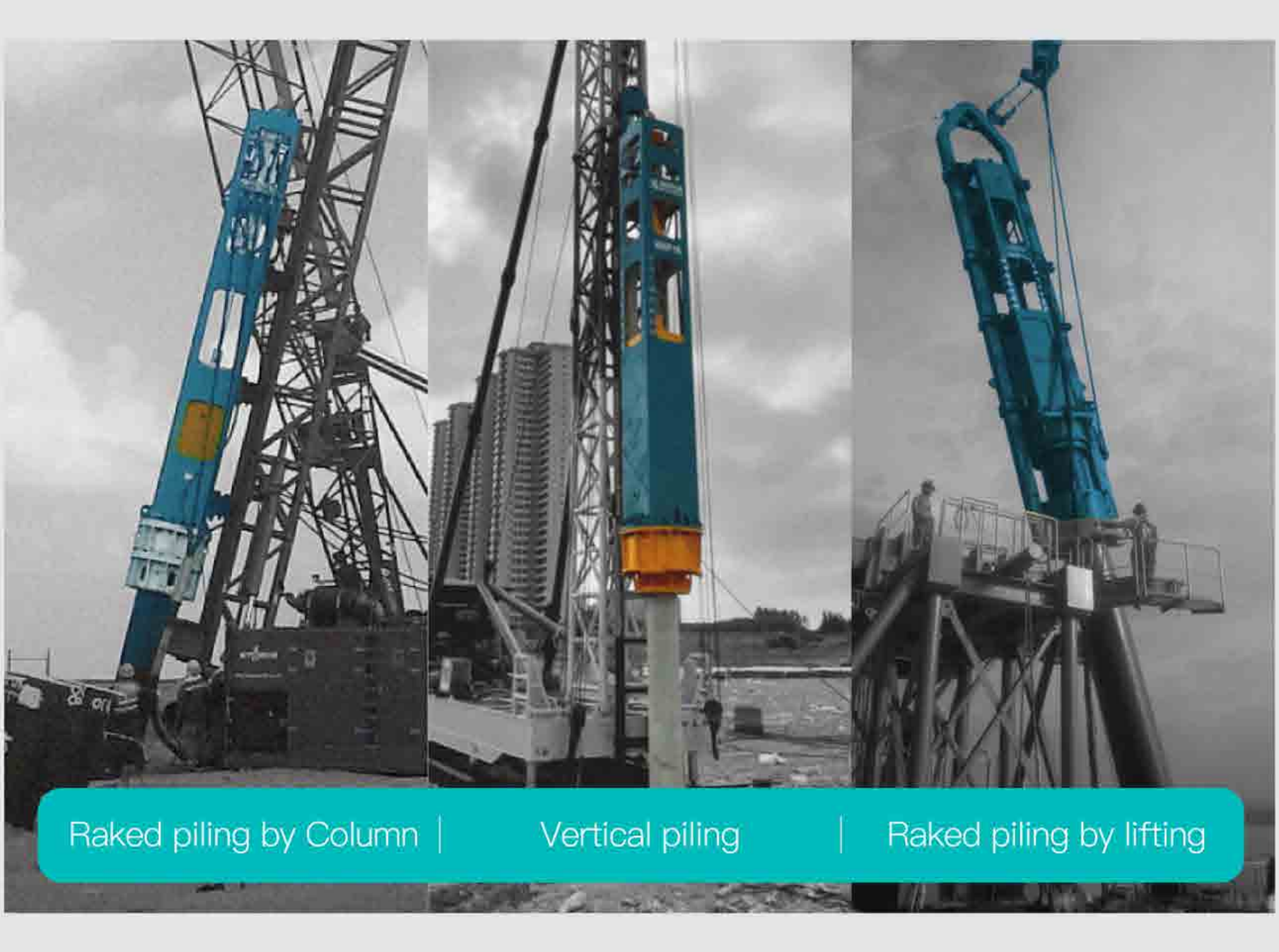
Lifting piling by crawler crane


Column +Hydraulic impact hammer

Crawler piling rig + Hydraulic impact hammer

Hydraulic Impact Hammer

Suitable Piling Method


Raked piling by Column | Vertical piling | Raked piling by lifting

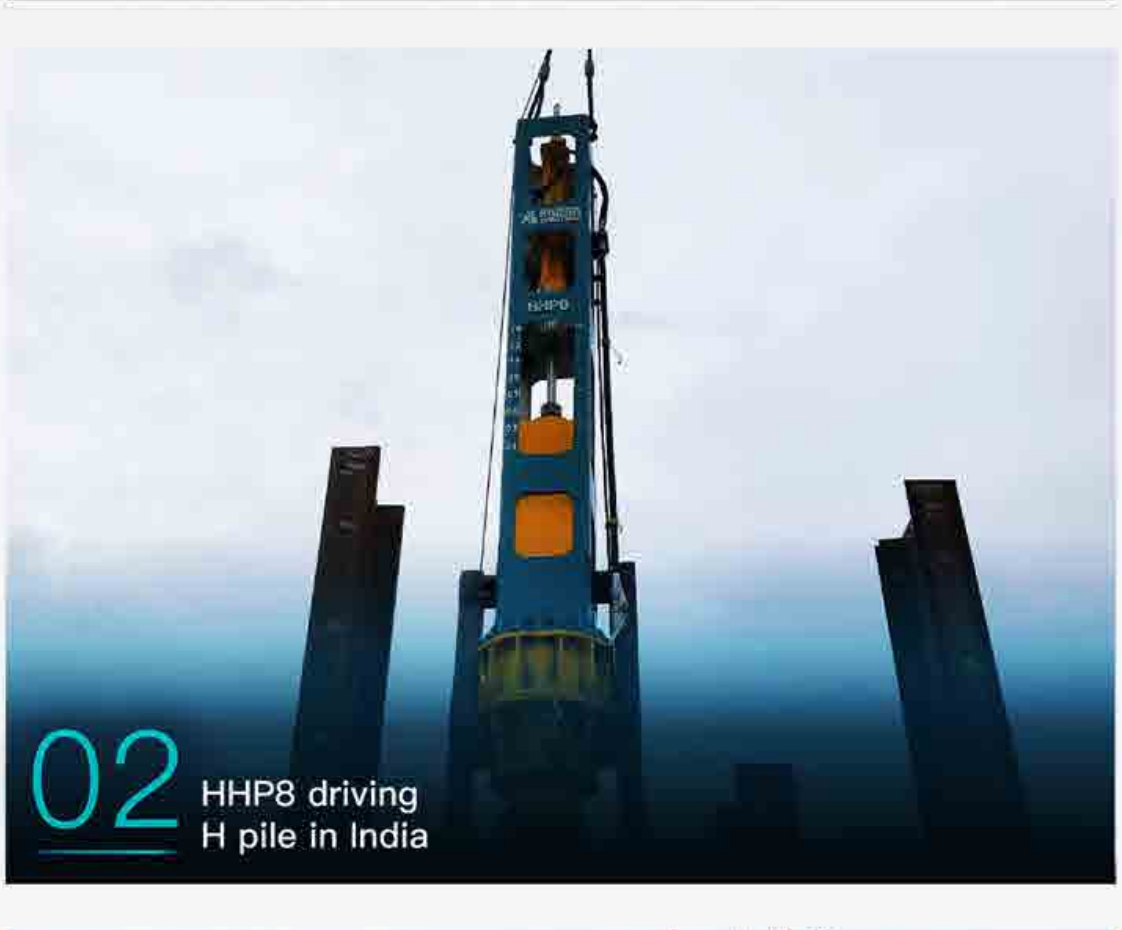
Hydraulic Impact Hammer

Construction Cases

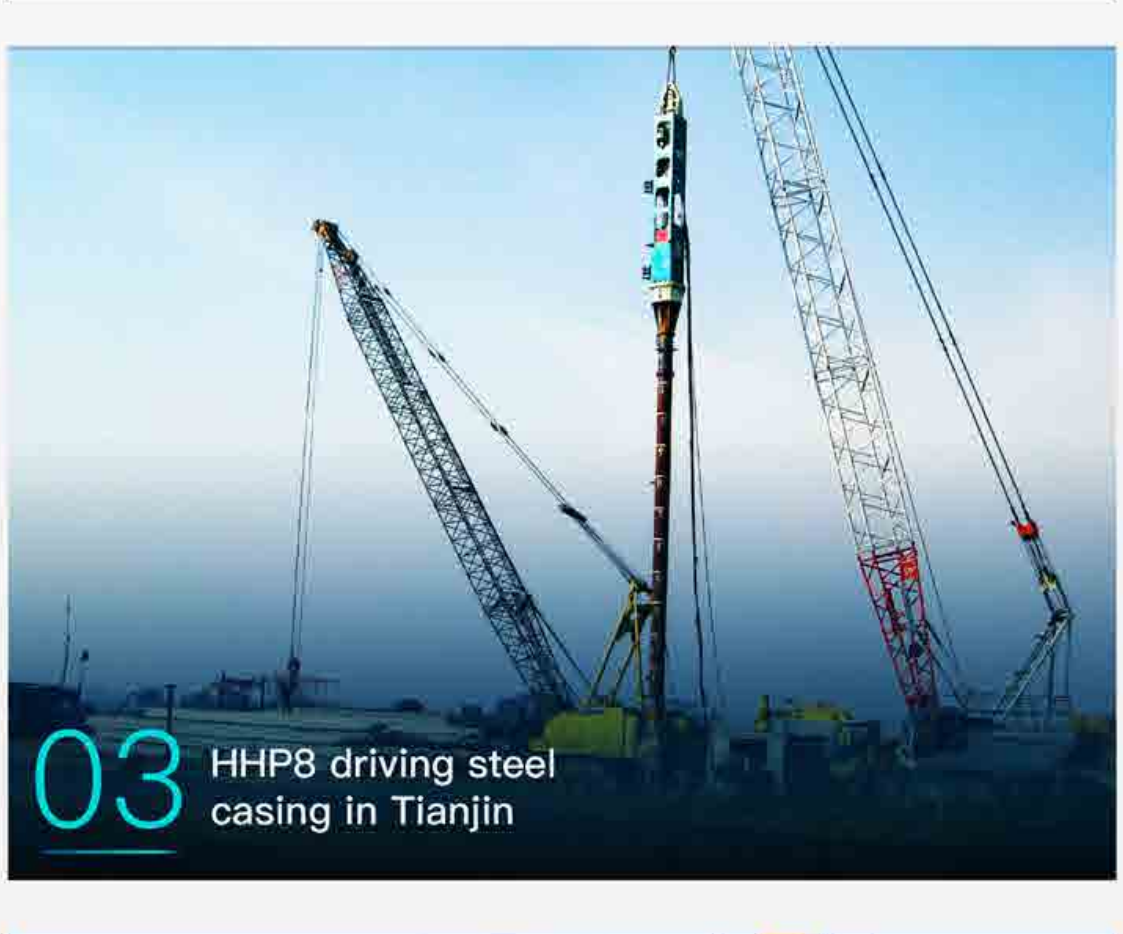
Global Construction

01 HHP10 + column driving raked pile in Panama

04 HHP5 +LH50 piling rig in Shenzhen


02 HHP8 driving H pile in India

05 LHP8 driving steel casing in Foshan


03 HHP8 driving steel casing in Tianjin

06 HHP4 +LH40 piling rig in Russia

07 HHP5 +LH50 piling rig in Russia

Higlight the remarkebles.

Hydraulic Impact Hammer
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HHP4-HHP10

Outstanding achievements

发明专利证书

发明专利证书

发明专利证书

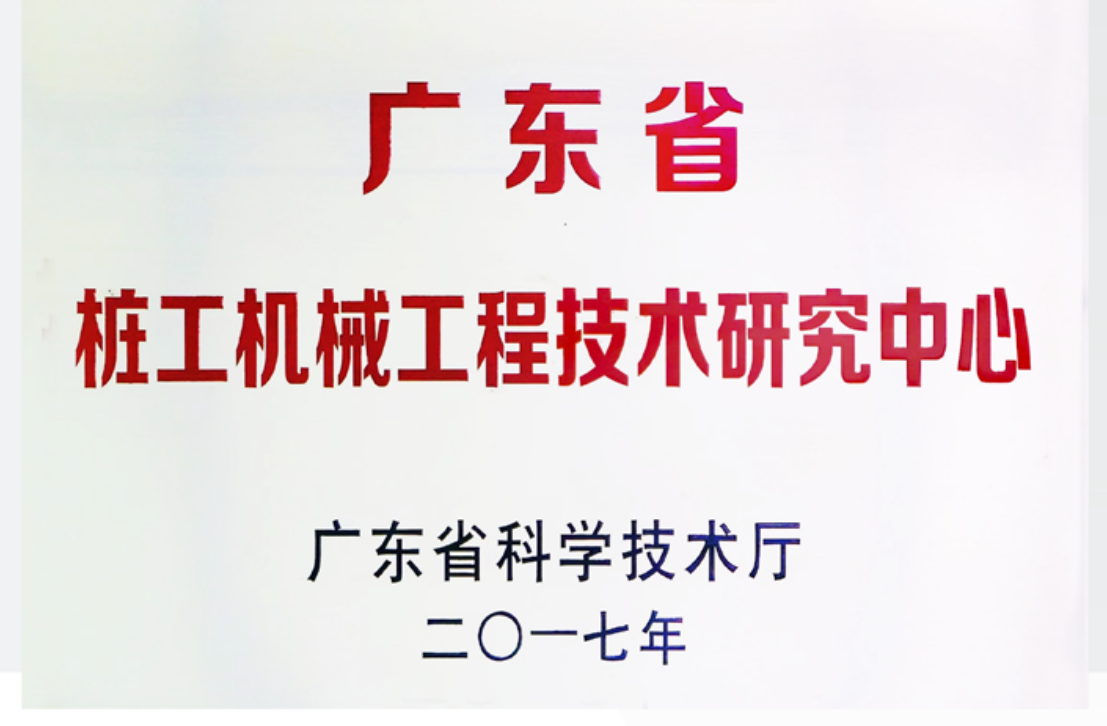
发明专利证书

发明专利证书

发明专利证书

01

02


广东省

桩工机械工程技术研究中心

广东省科学技术厅

二〇一七年

CERTIFICATE

of conformity

No. 8600992

Hydraulic Impact Hammer

Models: HHP4, HHP5, HHP8, HHP10, HHP12, HHP14, HHP16, HHP18, HHP20, HHP25, HHP30, HHP35, HHP40, HHP50, HHP60

Applied Standards: EN ISO 12100:2010, EN 474-1:2006+A4:2013/AC:2014

placed on the market under the name or trade mark of

STARKE

NO.5, JIANYE ROAD, DADU INDUSTRIAL ZONE, CHENCUN TOWN, SHUNDE, FOSHAN, GUANGDONG PROVINCE, P.R. China

and produced in the manufacturing plant(s)

GUANGDONG LIYUAN HYDRAULIC MACHINERY CO., LTD.

NO.5, JIANYE ROAD, DADU INDUSTRIAL ZONE, CHENCUN TOWN, SHUNDE, FOSHAN, GUANGDONG PROVINCE, P.R. China

EN ISO 12100:2010, EN 474-1:2006+A4:2013/AC:2014

validity code: 4D08DDCD-22F

LL-C (Certification) Czech Republic s.r.o. | Pobřežní 620/3, 186 00 Praha 8

03

04

SHANGHAI SAILWAY CERTIFICATION CO.,LTD.

QUALITY MANAGEMENT SYSTEM CERTIFICATE

Certificate Number: SW22Q20625R0M

This is to Certify that the Quality Management System of

Guangdong Liyuan Hydraulic Machinery Co., Ltd.

Organization Code/Unified Social Credit Code: 91440606708166612B

Registration Address: Dadu Industrial Zone, Chencun Town, Shunde District, Foshan City

Production/Business Address: No.5, Jianye Road, Dadu Industrial Zone, Chencun Town, Shunde District, Foshan City, Guangdong Prov.

Has been Audited to Conform to the Following Quality Management System Standard:

GB/T19001-2016/ISO9001:2015

for the Scope of Registration:

R&D and Production of Hydraulic Machinery for Construction Engineering (HD Series Diesel Hammer, YZY Series Static Pile Driver, HHP Series Hydraulic Pile Hammer, SV Series Hydraulic Vibratory Hammer and JB Series Walking Pile Frame).

(Issued By)

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Date of Expiry: May 25, 2025

IAF

CNAS

MANAGEMENT SYSTEM CNAS C201-M

Patent	01
Piling Equipment Engineering Research Center of Guangdong,China	02
CE Certificate	03
ISO 9001 Certificate	04

About Us

Hydraulic Impact Hammer
STARKE 05
HHP4-HHP10

Established in 1993, STARKE is China's leading piling equipment manufacturer. We provide high quality piling machine for all kinds of foundation projects, capable from custom design to after-sales services, offering total solutions for customers.

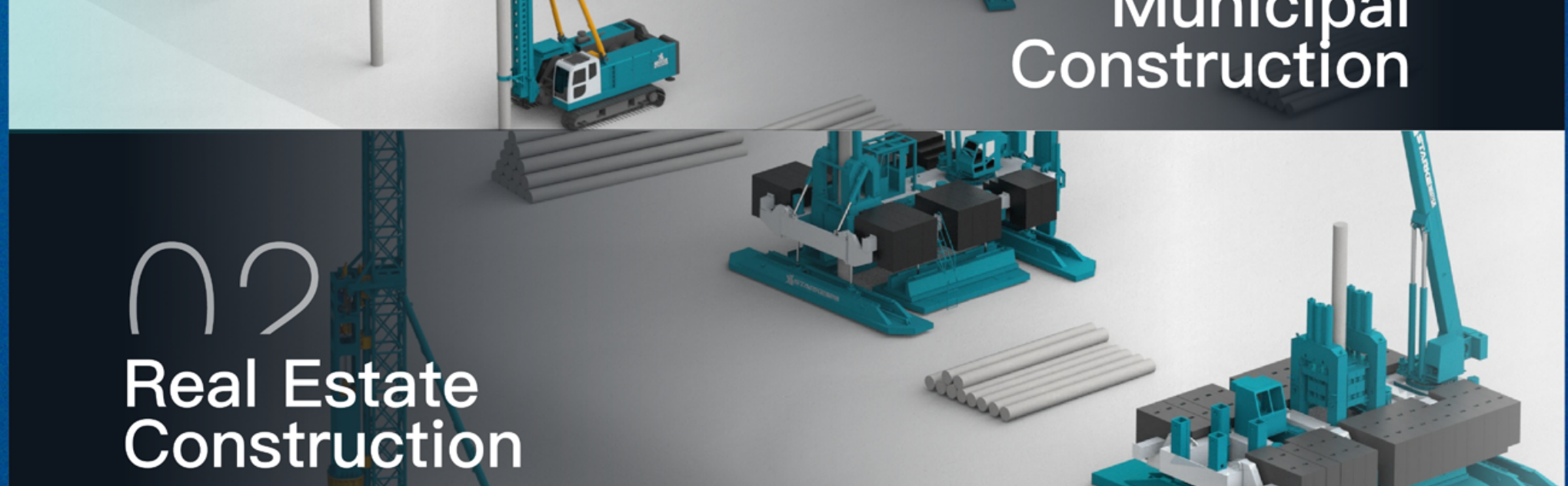
Our main products include: diesel pile hammers; hydraulic impact hammers; hydraulic vibratory hammers; static pile pressing machines; hydraulic crawler piling rigs; foot-step piling rigs and rock breakers.

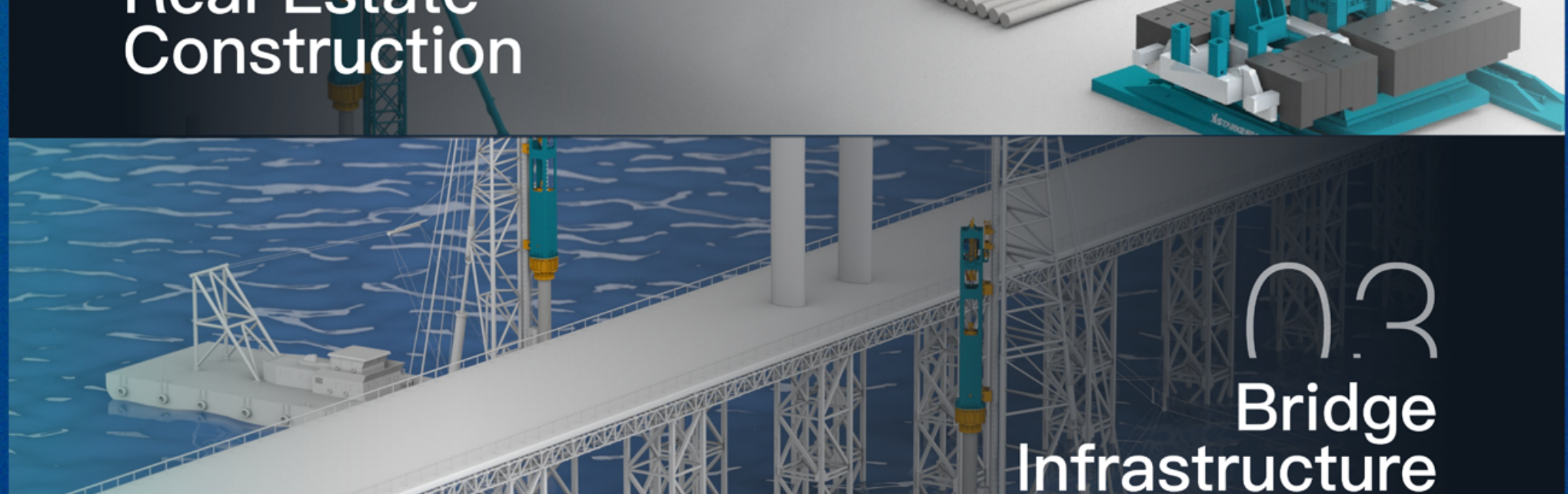
For 30 years we did not stop our foot step on innovation. Improving product quality and customer service is our key purpose. Not only we are the market leader for piling hammers in China, our products have also been well sold in international market, with over 30 countries already using STARKE's equipment, throughout North & South America, the Southeast Asia counties, the Middle East countries, Africa and to Europe.

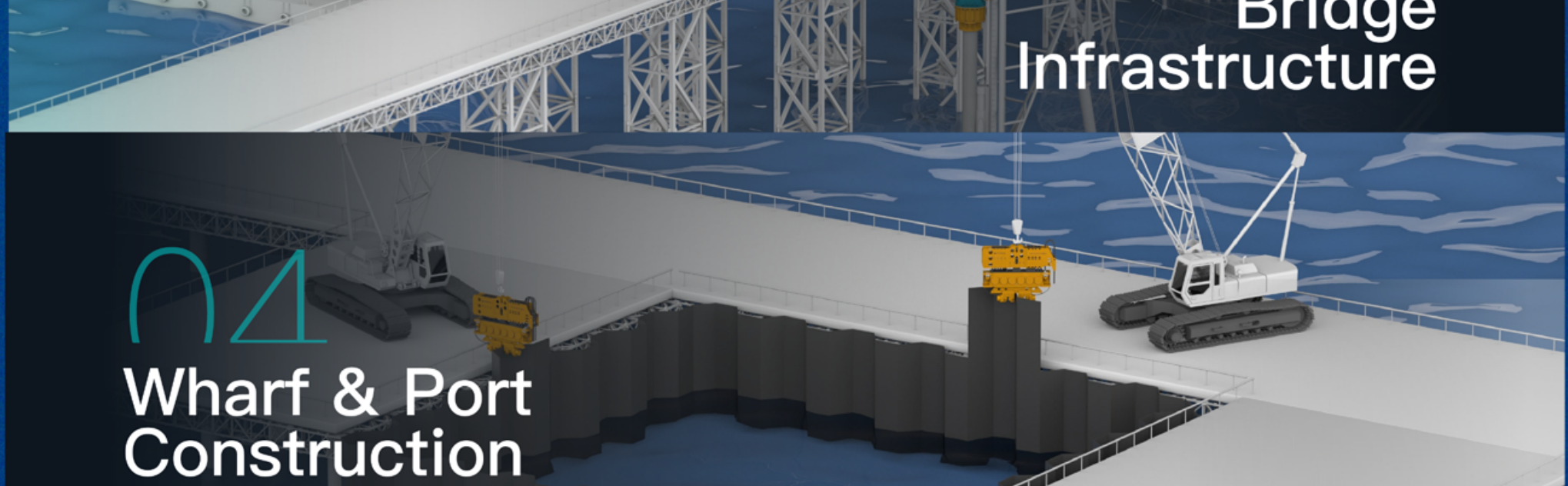
We have obtained the ISO9001 certificate in 2000 and CE certificate for diesel hammers and hydraulic impact hammers.

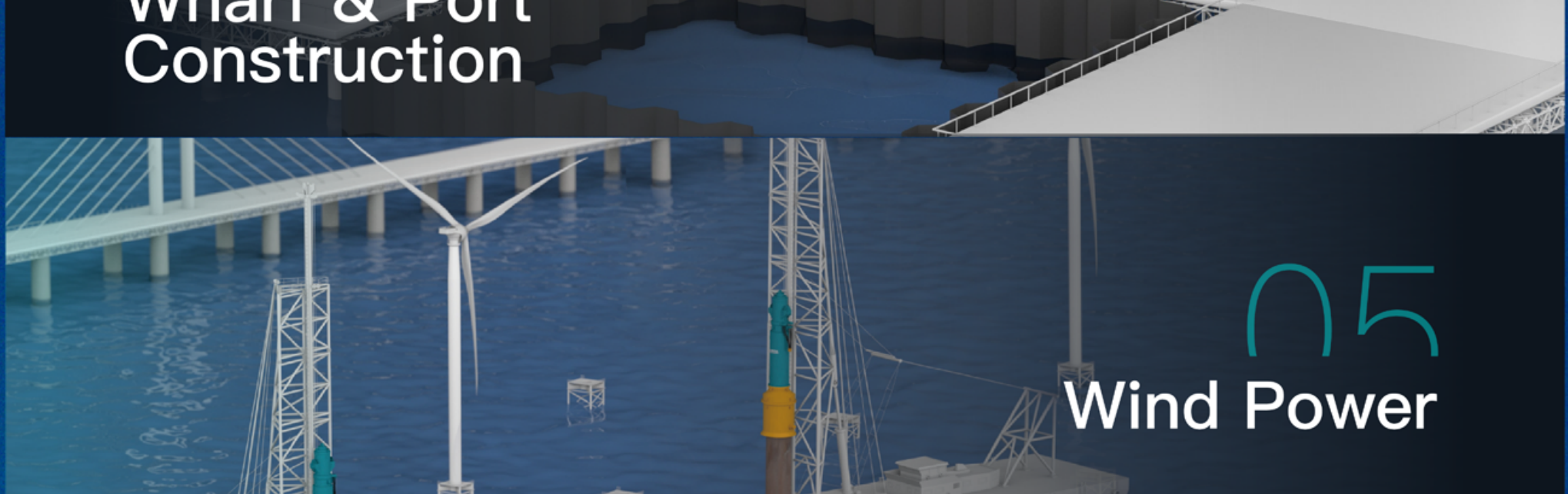
Hydraulic Impact Hammer

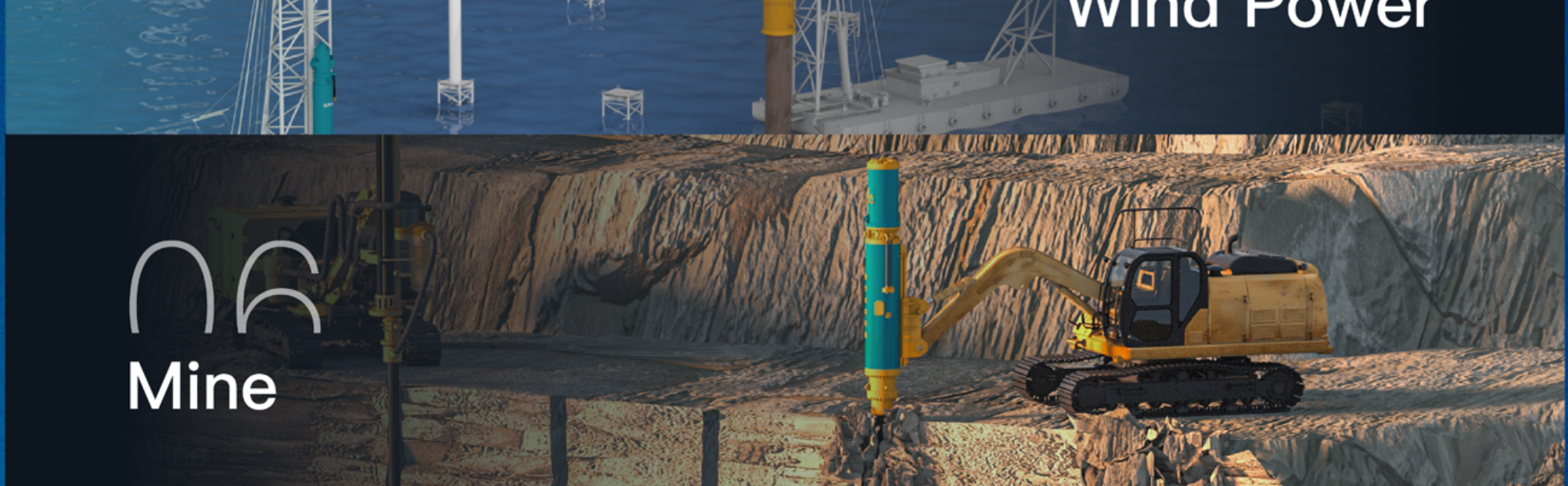
Product Category


01 Municipal Construction


02 Real Estate Construction


03 Bridge Infrastructure


04 Wharf & Port Construction


05 Wind Power

06 Mine

Guangdong Liyuan Hydraulic Machinery Co., Ltd.

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