

Answers for Construction & Earthmoving Machine

Power Transmission and Hoisting Solutions
since 1970



Since 1970, Dinamic Oil has been a leading global manufacturer of Hoisting Winches and Planetary Gearboxes dedicated to the Construction & Earthmoving Machine market. Winches are motor-driven machines used for hoisting or pulling, composed of a drum around which a rope is wound and attached to the load being moved. Gearboxes are geared, mechanical transmissions that transmit the movement of a motor to the machine on which they are applied, reducing the speed and multiplying the delivered force (torque).

This document shows many examples in which Dinamic Oil has provided successful solutions to a variety of globally recognized Construction & Earthmoving Machines.

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Infrastructure Construction

The expected rise of urban population, mainly in Asia, which should reach approximately 52% of the global urban population by 2050, combined with the further development of various megacities, population-aging and climate-disaster prevention are the strategic pillars of the future development of the infrastructure construction sector. There will be an ever growing demand for new and replacement infrastructure to meet the growing needs of industrialised and developing nations. Dinamic Oil has worked closely with many of the industry's customers, from the largest multinational corporations to the small and midsize companies. Through these interactions, we have learned that to be successful in the construction industry, we must understand the business on a global, country, local and project-by-project level.





Turret Slewing Drive (A)(B)



Track Drive (A)(B)



Rotary Head Drive (A)



Main Winch (A)



Auxiliary Winch (A)



Main Winch (B)



Auxiliary Winch (B)



Winch Drive (C)



Wheel Drive (C)



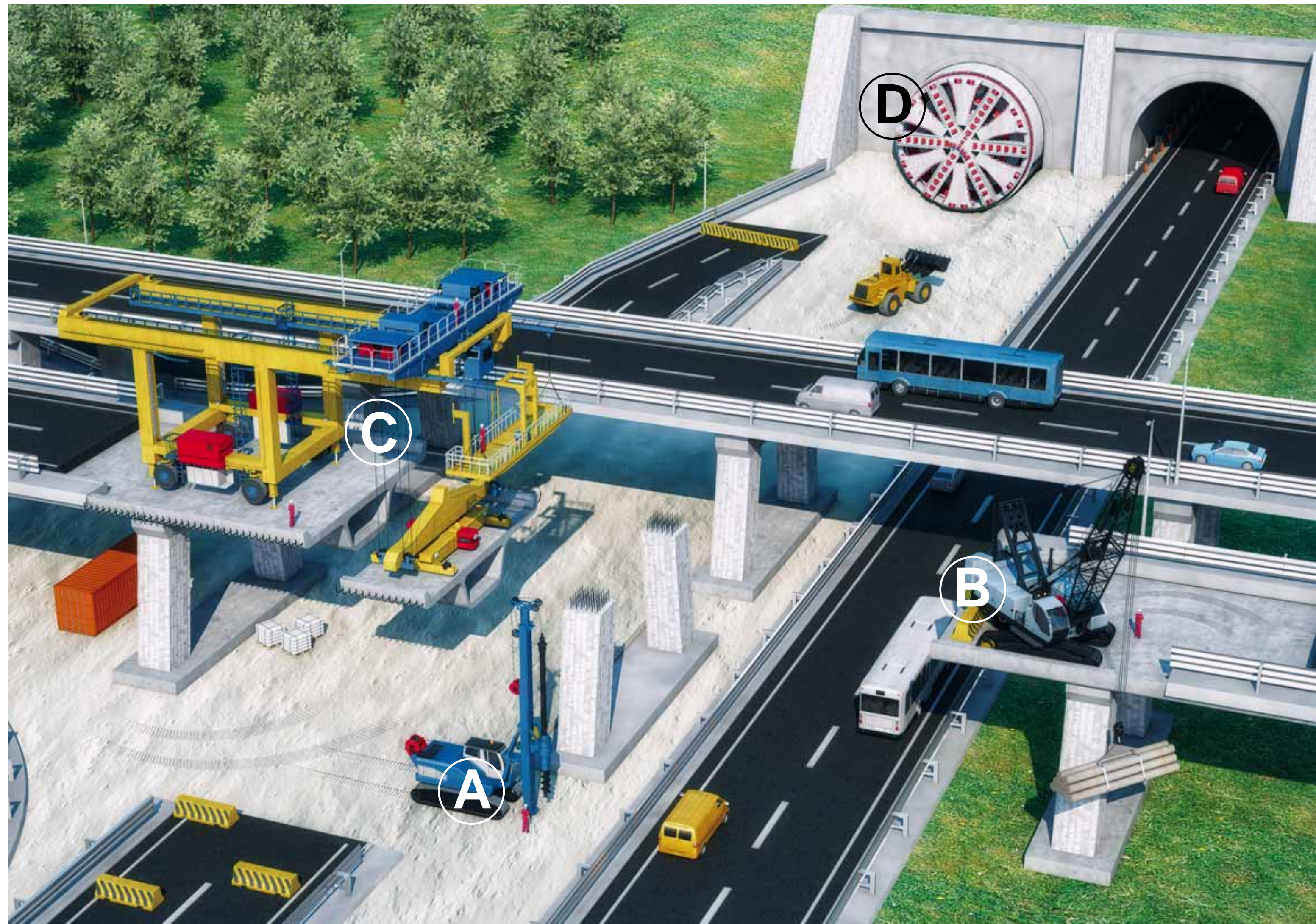
Conveyor Drive (D)



Cutter Head Drive (D)



Cutter Head Drive (D)



Our Product Range

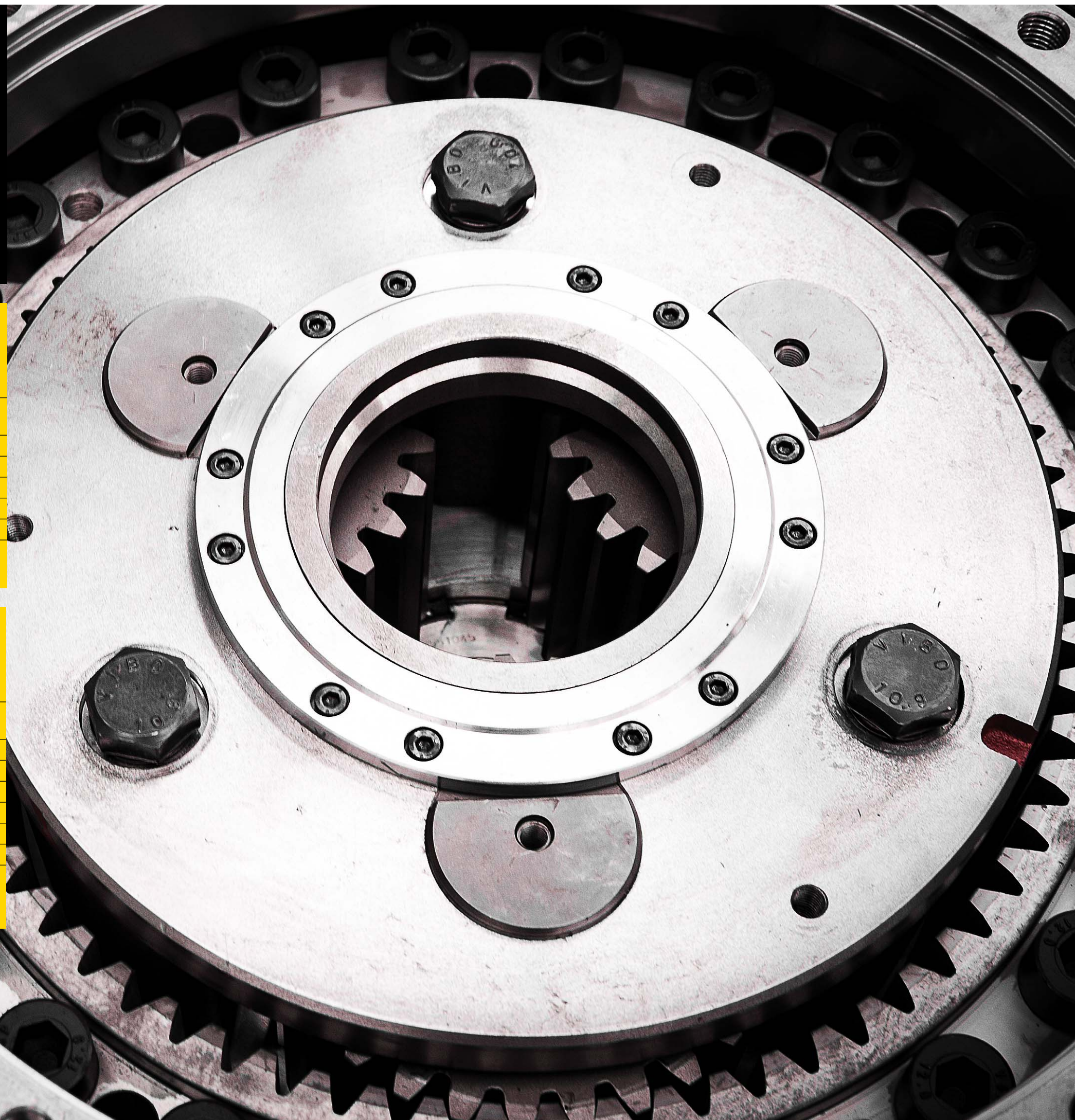
Dinamic Oil is a flexible and customer focused Company, always striving to match high quality products with the application requirements. From Hoisting Winches with line pulls ranging from 0.5 to 50 Tons to Planetary Gearboxes with output torques ranging from 1,000 Nm to 3,000,000 Nm, Dinamic Oil has developed many custom solutions to satisfy the most demanding applications of the Construction & Earthmoving Machines.

Planetary Gearbox

Series	Smallest Size		Largest Size	
	Max Torque	Ring Gear Diameter	Max Torque	Ring Gear Diameter
	Nm	mm	Nm	mm
Industrial	950	186	3,620,000	1,630
Slewing Units	2,900	186	166,000	490
Winch Drive	7,900	244	1,310,000	1,090
Track Drive	100,000	430	900,000	870
Wheel Drive	800	140	3,600	186

Hoisting Winch

Series	Smallest Size		Largest Size	
	Line Pull	Weight	Line Pull	Weight
	daN	kg	daN	kg
A	380	27	6,750	263
NP	400	34	1,650	44
P	600	33	2,500	80
S/SE	1,570	77	5,770	290
SRD	6,200	473	29,700	865
Special Winches	-	-	up to 50,000	-



Civil Construction

Construction is a large, dynamic, and complex industry sector that plays a fundamental role in the worldwide economy. Construction workers and employers build our roads, houses, and workplaces, as well as repair and maintain our nations' existing physical infrastructure. Construction work can involve building of new structures, which may include activities such as land development and rezoning land for sale as building sites or preparation of sites for new construction. Working closely with partners in construction and earthmoving sectors, we have developed a range of winches and gearboxes ideal for driving all types of machinery such as: Crawler Cranes, Drilling Machines, Concrete Pumps, Tower and Luffing cranes, Mobile and Loader Cranes, Mast Climbing equipment, Demolition Equipment, and more.





Hoisting Winch (A)



Turret Slewing Drive (A)



Concrete Pump Slewing (B)



Crane Slewing Drive (C)



Hoisting Winch (C)



Recovery Winch (C)



Hoisting Winch (D)



Turret Slewing Drive (D)



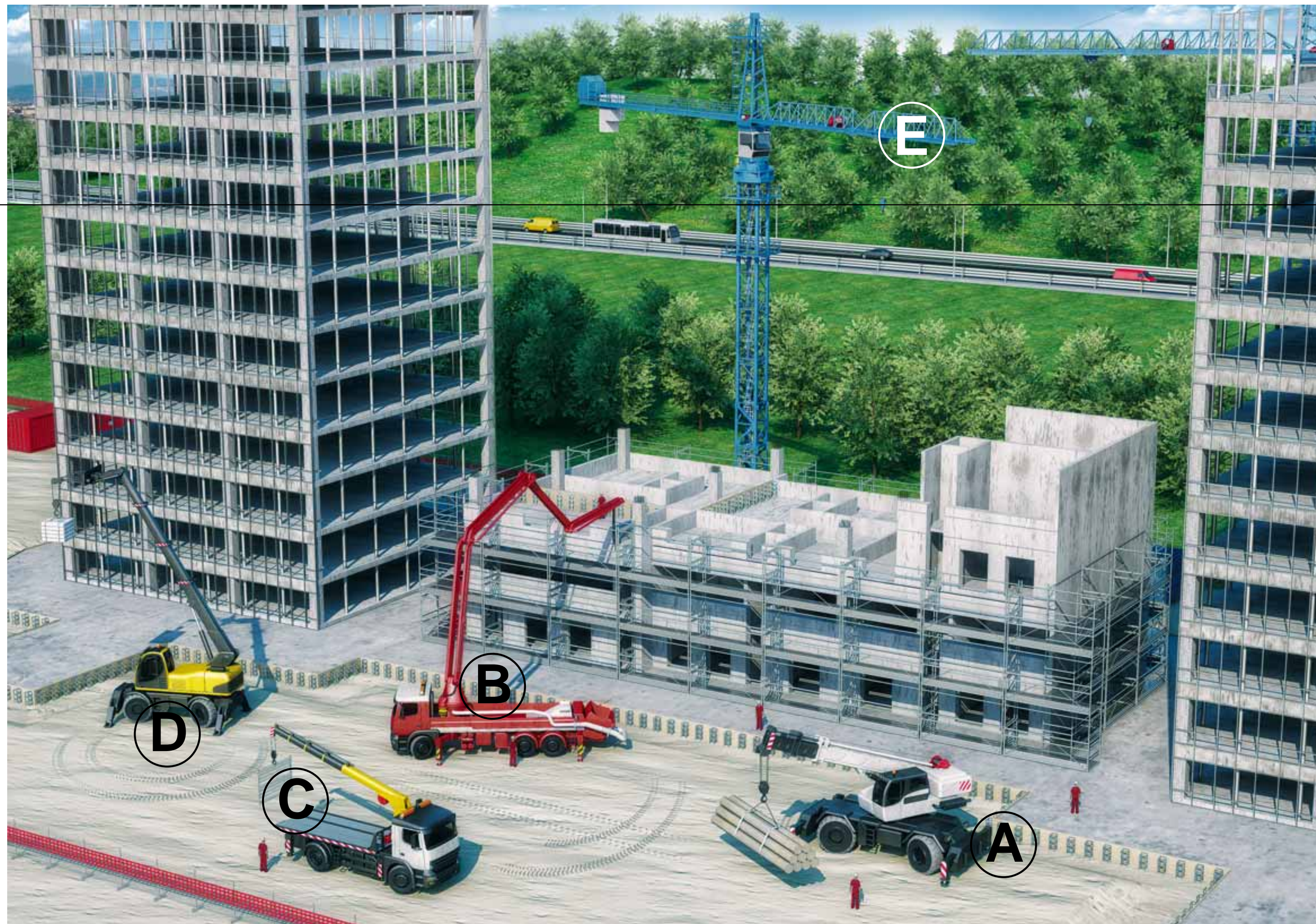
Turret Slewing Drive (E)



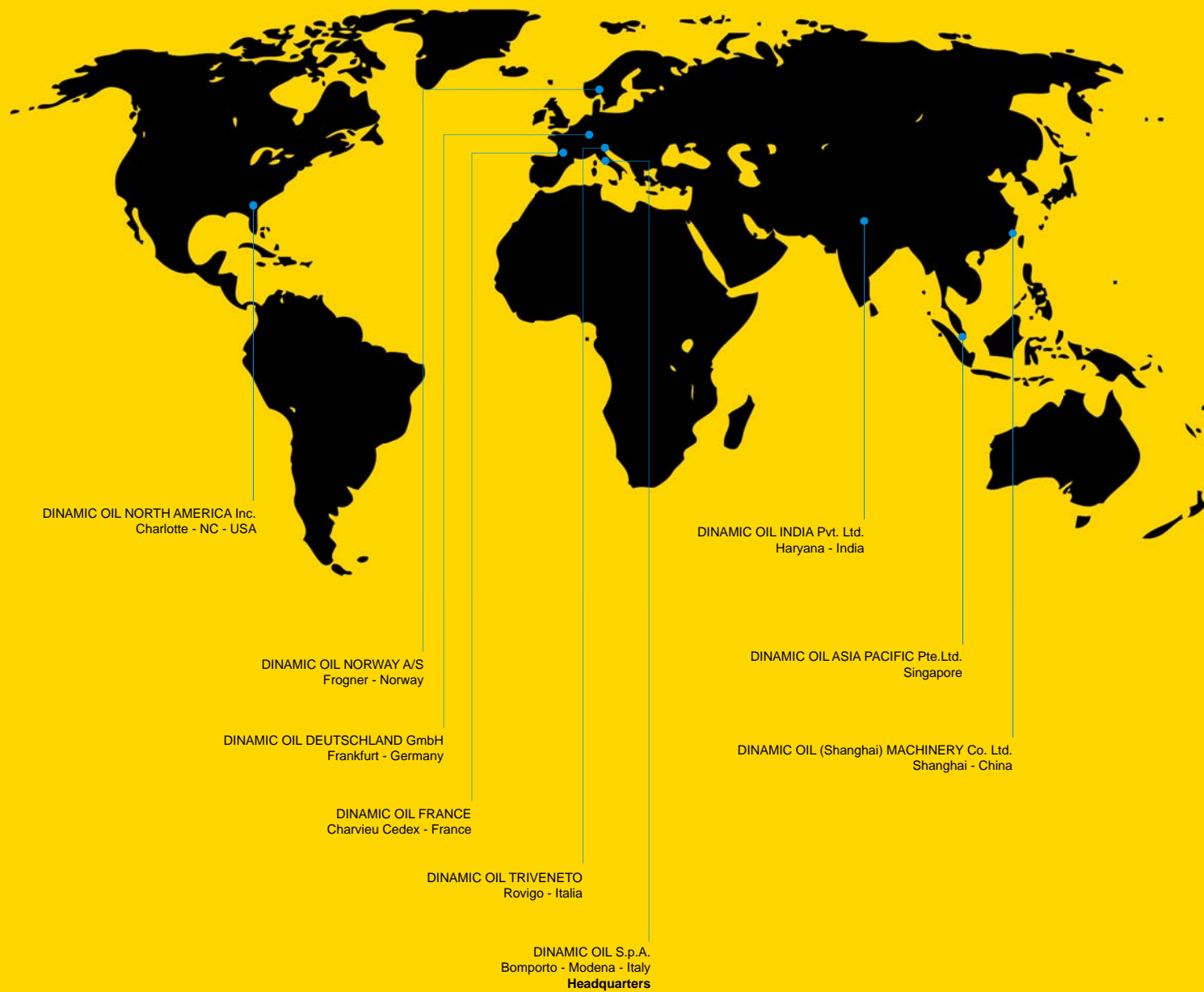
Hoisting Winch (E)



Trolley Winch (E)



Branches



All components are manufactured at our company headquarters in Bomporto (Modena), Italy. We now have five fully functional subsidiaries around the world (USA, Norway, India, China, and Singapore) which are able to stock, assemble, test, customize/modify, service, and repair both gearboxes and winches. These subsidiaries, combined with our sales offices and distribution network, allow us to provide the high level of service and support that customers have come to expect from Dinamic Oil.

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Dinamic Oil S.p.A.

Via Togliatti, 15
41030 Bomporto - MO - Italy
T: +39 059 812611
F: +39 059 812603
E: info@dinamicoil.it
dinamicoil.com

Dinamic Oil Deutschland GmbH

Frankfurt Straße 151 b
D - 63303 Dreieich-Sprendlingen
T: +49 (0) 6103 2024593
F: +49 (0) 6103 8077239
E: verkauf@dinamicoil.de
dinamicoil.com/deutschland

Dinamic Oil (Shanghai) Machinery Co., Ltd.

Building 2, N°128 Lane 168 Dieqiao Rd.
Kangqiao Industry Park Pudong
201319 Shanghai – China
T: 0086 21 6818 7100
F: 0086 21 6818 7107
E: info@dinamicoil.com.cn
dinamicoil.com/china

Dinamic Oil India Pvt. Ltd.

Plot No.5, Sector - 16 HSII DC
Industrial Area, Bahadurgarh
Pin Code: 124507, Haryana - India
T: +91 1276 605295, 605296
E: india@dinamicoil.com

Dinamic Oil Triveneto

Via Enrico Toti, 48
40500 Rovigo - Italy
T: +39 340 7745 664
F: +39 059 812603
E: a.coltro@dinamicoil.it
dinamicoil.com/triveneto

Dinamic Oil Norway A/S

Lindebergveien, 3
2016 Frogner - Norway
T: +47 63 82 50 40
F: +47 63 82 50 41
E: DinamicOil.Norway@dinamicoil.com
dinamicoil.com/norway

戴纳密克 (上海) 机械有限公司

中国上海浦东康桥工业园区
叠桥路168弄128号2栋1楼
邮编：201319
电话：0086 21 6818 7100
传真：0086 21 6818 7107
邮件：info@dinamicoil.com.cn
dinamicoil.com/china

Dinamic Oil France

ZI Montbertrand BP 3612
38236 Charvieu Cedex - France
T: +33 (0) 472 462 318
F: +33 (0) 472 462 327
E: dinamicoil@orange.fr
dinamicoil.com/france

Dinamic Oil North America Inc.

4725 Entrance Drive - Suite A
Charlotte - NC - 28273 - USA
T: +1 704 587 4600
F: +1 980 939 6297
E: info.usa@dinamicoil.com
dinamicoil.com/northamerica

Dinamic Oil Asia Pacific Pte. Ltd.

47L Tuas South Avenue, 1
637249 - Singapore
T: +65 6791 0802
F: +65 6791 2661
E: sales@dinamicoilap.com.sg
dinamicoil.com/asia

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Coordination:
Marketing Department Dinamic Oil
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