

MANAGEMENT SYSTEM CERTIFICATE

Certificate No.:
129399-2013-AE-GER-DAkKS

Initial date:
03. May 2006

Valid:
01. January 2019 – 31. December 2021

This is to certify that the management system of



ZF Friedrichshafen AG

Löwentaler Straße 20, 88046 Friedrichshafen - Germany

and the sites as mentioned in the Appendix accompanying this Certificate

has been found to conform to management system standard:

ISO 14001:2015

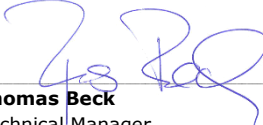
This certificate is valid for the following Scope:

**Transmission, chassis and steering systems
(Development, production, service and sales)**

Place and date:
Essen, 17. December 2018



For the Accredited Unit:
**DNV GL Business Assurance Zertifizierung
und Umweltgutachter GmbH**


Thomas Beck
Technical Manager

Certificate No.: 129399-2013-AE-GER-DAkKS
Place and date: Essen, 17. December 2018

Appendix to Certificate

Locations included in the certification are as follows:

Western Europe				
Location	ZF-Company	Address	Scope¹	
Germany				
Alsdorf	GAT-Gesellschaft für Antriebstechnik mbH	Konrad-Zuse-Straße 3 D-52477 Alsdorf	<ul style="list-style-type: none"> Powertrain components for cars 	D, P
		Joseph-von-Fraunhofer-Straße 3b, D-52477 Alsdorf		
Auerbach	ZF Friedrichshafen AG	Cherrystraße D-91275 Auerbach	<ul style="list-style-type: none"> Electronic components 	D, P, S
Bad Neuenahr-Ahrweiler	ZF Friedrichshafen AG	Max-Planck-Straße 17 D-53474 Bad Neuenahr-Ahrweiler	<ul style="list-style-type: none"> Suspension components for cars 	P
Bielefeld	ZF Friedrichshafen AG	Windelsbleicher Straße 80 D-33647 Bielefeld	<ul style="list-style-type: none"> Powertrain components for cars and commercial vehicles 	P, S
Brandenburg	ZF Getriebe Brandenburg GmbH	Caasmannstraße 9 D-14770 Brandenburg	<ul style="list-style-type: none"> Manual transmissions and Dual Clutch Transmissions for cars 	D, P, S, Se
		Geschwister-Scholl-Straße 2 D-14770 Brandenburg		
Calden/Kassel	ZF Luftfahrttechnik GmbH	Flughafen Kassel D-34379 Calden	<ul style="list-style-type: none"> Transmissions for helicopters 	D, P, S, Se
Damme	ZF Friedrichshafen AG	Dr.-Jürgen-Ulderup-Platz 1 D-49401 Damme	<ul style="list-style-type: none"> Chassis components for cars 	P
Diepholz	ZF Friedrichshafen AG	Siemensstraße 4 + 7 D-49356 Diepholz	<ul style="list-style-type: none"> Components for transmission gearshifts for cars and commercial vehicles Chassis components for cars 	D, P, S
		Dr.-Jürgen-Ulderup-Straße 11 D-49356 Diepholz		P
Eitorf	ZF Friedrichshafen AG	Bogestraße 50 D-53783 Eitorf	<ul style="list-style-type: none"> Suspension components for cars and rail vehicles 	D, P, S
Espelkamp	Lemförder Electronic GmbH	Von dem Bussche-Münch-Straße 12 D-32339 Espelkamp	<ul style="list-style-type: none"> Electric and electronic systems 	D, P, S

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Western Europe				
Location	ZF-Company	Address	Scope ¹	
Germany				
Friedrichshafen	ZF Friedrichshafen AG	Graf-von-Soden-Platz 1 D-88046 Friedrichshafen	<ul style="list-style-type: none"> Corporate research and development 	D
		Aistegstraße 39 D-88046 Friedrichshafen		
		Graf-von-Soden-Platz 1 D-88046 Friedrichshafen	<ul style="list-style-type: none"> Automatic transmissions for cars 	D
		Alfred-Colsmann-Platz 1 D-88045 Friedrichshafen	<ul style="list-style-type: none"> Manual and automatic transmissions for commercial vehicles Rail vehicle drives Industrial drives and elevator gearboxes 	D, P, S, Se
		Ehlersstraße 50 D-88038 Friedrichshafen	<ul style="list-style-type: none"> Transmissions, propellers and control systems for boats and ships Manual and automatic transmissions for commercial vehicles Rail vehicle drives Industrial drives and elevator gearboxes 	D, P, S, Se
Gotha	ZF Friedrichshafen AG	Passauer Straße 1 D-99867 Gotha	<ul style="list-style-type: none"> Axle drive systems for automobile industry 	P, S
Kressbronn	ZF Friedrichshafen AG	Argenstraße 30 D-88079 Kressbronn	<ul style="list-style-type: none"> Manual, automatic and continuously variable transmissions for cars 	D
Kreuztal	ZF Friedrichshafen AG	Langenauer Straße 18 D-57223 Kreuztal	<ul style="list-style-type: none"> Chassis components for cars 	P
Lemförde	ZF Friedrichshafen AG	Alter Bahndamm 12 D-49448 Lemförde	<ul style="list-style-type: none"> Axles and axle components Chassis components for cars and commercial vehicles 	D, S
Nürnberg	ZF Gusstechnologie GmbH	Nopitschstraße 71 D-90441 Nürnberg	<ul style="list-style-type: none"> Casting products in aluminium and magnesium with foundry for high-pressure die casting and NC machining 	D, P, S
		Industriestraße 36 D-90441 Nürnberg		P, S

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Location	ZF-Company	Address	Scope¹	
Germany				
Passau	ZF Friedrichshafen AG	Donaustraße 25-71 D-94034 Passau	<ul style="list-style-type: none"> ▪ Off-road driveline technology ▪ Axle systems ▪ Transmission systems for stacking systems 	D, P, S, Se
		Tittlinger Straße 28 D-94034 Passau		
Saarbrücken	ZF Friedrichshafen AG	Untertürkheimer Str. 4-5 + 12 + 33 D-66117 Saarbrücken	<ul style="list-style-type: none"> ▪ Automatic transmissions for cars 	D, P, S
		Großblittersdorfer Str. 247 D-66117 Saarbrücken		
		Südring 1 D-66117 Saarbrücken		D, P, S, Se
		Metzer Str. 160 D-66117 Saarbrücken		
		Am Heidenhübel 22 D-66539 Neunkirchen		
		Hans-Großwendt Ring 19 D-66333 Völklingen		
Schweinfurt	ZF Friedrichshafen AG	Ernst-Sachs-Straße 62 D-97424 Schweinfurt	<ul style="list-style-type: none"> ▪ Powertrain components for cars and commercial vehicles ▪ Suspension components for cars, commercial vehicles and rail vehicles 	D, P, S
		Johann-Georg-Gademann-Str. 8 + 13 D-97424 Schweinfurt		
		Werner-von-Siemens-Str. 4 D-97424 Schweinfurt		
		Röntgenstraße 2 D-97424 Schweinfurt		
		Obere Weiden 12 D-97424 Schweinfurt	S, Se	
Schweinfurt	ZF Race Engineering GmbH	Ernst-Sachs-Straße 62 D-97424 Schweinfurt	<ul style="list-style-type: none"> ▪ Powertrain components for cars ▪ Suspension components for cars 	D, P, S

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Germany				
Stemwede - Dielingen	ZF Friedrichshafen AG	Am Thie 20 D-32351 Stemwede-Dielingen	<ul style="list-style-type: none"> ▪ Axles and axle components ▪ Chassis components for cars and commercial vehicles 	D, S
		Dielinger Straße 60, D-32351 Stemwede-Dielingen		
		Dr.-Jürgen-Ulderup-Straße 7 D-32352 Stemwede-Dielingen		
Thyrnau	ZF Friedrichshafen AG	Graf-Zeppelin-Straße 1 D-94136 Thyrnau	<ul style="list-style-type: none"> ▪ Axle systems for automobile industry 	D, P, S
Wagenfeld	ZF Friedrichshafen AG	Dr.-Jürgen-Ulderup-Platz 1 D-49419 Wagenfeld	<ul style="list-style-type: none"> ▪ Chassis components for cars 	P
Bayreuth (Wolfsbach)	ZF Friedrichshafen AG	Am Briefzentrum 2 D-95448 Wolfsbach	<ul style="list-style-type: none"> ▪ Electronic components 	P

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Location	ZF-Company	Address	Scope¹	
Germany				
Berlin	ZF Friedrichshafen AG	Blomberger Weg 4F D-13437 Berlin	▪ Services for motor vehicles	Se
Bremen	ZF Friedrichshafen AG	Borgwardstraße 16 28279 Bremen	▪ Spare part trading for motor vehicles ZF Services	Se, S
Holzwickede	ZF Friedrichshafen AG	Vincenz-Wiederholt-Str. 10 D-59439 Holzwickede	▪ Services for motor vehicles and wind turbine	Se
Magdeburg	ZF Friedrichshafen AG	Körbelitzer Straße 3a D-39126 Magdeburg	▪ Services for motor vehicles	Se
Markranstädt	ZF Friedrichshafen AG	Gewerbeviertel 4 D-04420 Markranstädt	▪ Services for motor vehicles	Se
Moritzburg	ZF Friedrichshafen AG	Ringstraße 6 D-01468 Moritzburg	▪ Services for motor vehicles	Se
Pfungstadt	ZF Friedrichshafen AG	Werner-von Siemens-Straße 35 D-64319 Pfungstadt	▪ Services for motor vehicles	Se
Porta Westfalica	ZF Friedrichshafen AG	Rehwinkel 5 D-32457 Porta Westfalica	▪ Services for motor vehicles	Se
Urbach	ZF Friedrichshafen AG	Robert-Bosch-Straße 6 D-73660 Urbach	▪ Services for motor vehicles	Se

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Location	ZF-Company	Address	Scope¹	
Austria				
Lebring	ZF Lemförder Achssysteme Ges.m.b.H. & Co. KG	Parkring 1 A- 8403 Lebring	▪ Axles and corner modules for cars	P
Steyr	ZF Steyr Präzisionstechnik GmbH & Co KG	Schönauer Str. 5 A-4400 Steyr	▪ Driveline technology and axle systems	P, S
	ZF Steyr Ges.m.b.H. & Co. KG			
Belgium				
Lommel	ZF Windpower Antwerpen NV	Gerard Mercatorstraat 40, B-3920 Lommel	▪ Wind gear units	D, P, Se
France				
Bouthéon	ZF Bouthéon S.A.S	4, Bld Pierre Desgranges F-42166 Andrézieux- Bouthéon Cedex	▪ Gearboxes	P
Florange	ZF Lemforder Metal France S.A.S	ZI Haute Sainte-Agathe1, rue Pascal F-57192 Florange	▪ Chassis components for cars: Tie rods, stabilizer links	D, P, S

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Great Britain				
Crick	ZF Services UK Ltd.	Eldon Way Crick Industrial Estate Northamptonshire UK-Crick NN6 7SL Crick	<ul style="list-style-type: none"> Spare part trading for motor vehicles 	S
Darlaston	ZF Lemforder UK Ltd.	Heath Road UK-Darlaston, WS10 8BH	<ul style="list-style-type: none"> Automotive suspensions and steering components, systems and associated products 	D, P
Nottingham	ZF Services UK Ltd.	Abbeyfield Road Lenton UK-Nottingham NG7 2SX	<ul style="list-style-type: none"> Products and spare parts for transmission, axles and steering technology sectors 	S, Se
Solihull	ZF Lemforder UK Ltd.	Birmingham International Park Starley Way, Bickenhill UK-Solihull, West Midlands B37 7GN	<ul style="list-style-type: none"> Automotive suspensions and steering components, systems and associated products 	D, P
Italy				
Arco	ZF Marine Arco S.p.A.	Via S. Andrea, 16, I-3862 Arco	<ul style="list-style-type: none"> Marine transmissions through the steps of machining, heat treatment, assembly, painting 	D, P
Candiolo	ZF Sachs Italia S.r.l.	Via Sestriere, 28/2 - Candiolo 10060 Candiolo (Torino)	<ul style="list-style-type: none"> Motorbikes shock absorbers 	D, P, S
Padova	ZF Padova s.r.l.	Via Penghe, 48 Caselle die Selvazzanon I-35030 Padova	<ul style="list-style-type: none"> Marine transmissions through the steps of machining, heat treatment, assembly, painting 	D, P
Netherlands				
Krimpen	ZF Marine Krimpen B.V.	Zaag 27 NL-2931 LD Krimpen aan de Lek	<ul style="list-style-type: none"> Marine Propulsion Systems 	P

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Western Europe				
Location	ZF-Company	Address	Scope¹	
Spain				
Coslada	ZF Services España, S.A.U.	Avenida Fuentemar, 11 E-28823 Coslada (Madrid)	<ul style="list-style-type: none"> Products and spare parts for transmission, axles and steering technology 	S, Se
Ermua	ZF Lemförder TVA, S.A.	Zeharkalea, S/N E-48260 Ermua (Vizcaya)	<ul style="list-style-type: none"> Suspension ball joints, axial ball joints Suspension arms and tie rods 	D, P
Lezama	ZF Sachs España, S.A. Unipersonal	Bo Aretxalde, 130 E-48196 Lezama	<ul style="list-style-type: none"> Suspension components for cars Shock absorbers 	P, S
Sant Cugat del Vallés	ZF Services España, S.A.U.	C/ Sant Esteve, 29 E-08173 Sant Cugat del Vallés (Barcelona)	<ul style="list-style-type: none"> Administration and customer service 	S, Se
Vitoria	ZF Services España, S.A.U.	C/ Ollamendi, 5 CTV (Júndiz) E-01015 Vitoria (Álava)	<ul style="list-style-type: none"> Spare part trading for motor vehicles 	S, Se
Turkey				
Gebze	ZF Sachs Süspansiyon Sistemleri SAN. ve TIC. AS:	Gebze Organize Sanayi Bölgesi 400. Sokak TR-41480 Gebze, Kocaeli	<ul style="list-style-type: none"> Shock absorbers 	D, P
Izmir	ZF Lemforder AKS Modulleri SAN. ve TIC. A.S.	Atatürk Organize Sanayi Bölgesi 10003 SK. NO:13 TR-35620 Cigli-Izmir	<ul style="list-style-type: none"> Ball joints, ball joint shafts Axle torque rods, tie rods, drag links, wheel control arms Steering and suspension systems for passenger cars and commercial vehicles 	D, P

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Locations included in the certification are as follows:

Eastern Europe				
Location	ZF-Company	Address	Scope¹	
Hungary				
Eger	ZF Hungária Kft.	Kistályai út 2, 2/a H-3300 Eger	<ul style="list-style-type: none"> ▪ Transmissions, gearboxes and their parts 	D, P
Slovakia				
Levice	ZF Slovakia a.s.	Ulica Zeppelina 1 + 3 SK-934 01 Levice	<ul style="list-style-type: none"> ▪ Clutch systems for passenger cars and commercial vehicles ▪ Torque converters for automotive industry ▪ Clutch facings 	P
		Ku Bratke 5 SK- 934 01 Levice	<ul style="list-style-type: none"> ▪ Suspension components for cars 	P
Trnava	ZF Slovakia a.s.	Strojársená 2 SK-917 02 Trnava	<ul style="list-style-type: none"> ▪ Clutch systems for passenger cars, commercial vehicles and torque converters for the automotive industry ▪ Clutch facings 	D, P, S
Czech Republic				
Klásterec	ZF Electronic Klásterec s.r.o.	Osvobozená 780 CZ-43151 Klásterec nad Ohri	<ul style="list-style-type: none"> ▪ Electronic components 	P, S
Stankov	ZF Stankov s.r.o.	Ohucov 25 CZ-34561 Stankov	<ul style="list-style-type: none"> ▪ Axles for construction machinery ▪ Drives and transmissions for lift trucks 	P, S
Russia				
Chelny	OOO ZF Kamaz	Pr. Avtozavodsky, 2 RUS-423827 Naberezhnye Chelny	<ul style="list-style-type: none"> ▪ Gearboxes for trucks 	P

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North America				
Location	ZF-Company	Address	Scope¹	
United States				
Chicago	ZF Chassis Systems Chicago, LLC	3400 East 126 th Street, USA-Chicago, IL 60633	<ul style="list-style-type: none"> ▪ Axles and axle drives for cars ▪ Corner modules for cars 	D, P
Duncan	ZF Chassis Systems Duncan, LLC	191 Parkway West, USA-Duncan, SC 29334	<ul style="list-style-type: none"> ▪ Axles and axle drives for cars ▪ Corner modules for cars 	P
Gainesville	ZF Gainesville, LLC	1261 Palmour Drive, SW USA-Gainesville, GA 30501	<ul style="list-style-type: none"> ▪ Parking brakes ▪ Transmissions ▪ Axles and axle drives ▪ Wind turbine 	P
		1925 New Harvest Drive SW USA-Gainesville, GA 30502		
		5405 Rafe Banks Drive USA-Flowery Branch, GA 30507		
Gray Court	ZF Transmissions Gray Court, LLC	2846 North Old Laurens Road USA-Gray Court, SC 29645	<ul style="list-style-type: none"> ▪ Automatic transmissions for cars 	P
Lapeer	ZF Chassis Components, LLC	3300 John Conley Drive, USA-Lapeer, MI 48446	<ul style="list-style-type: none"> ▪ Chassis components for cars ▪ Control arms ▪ Suspension parts and engine components 	P
Marysville	ZF Axle Drives Marysville, LLC	2900 Busha Highway, USA-Marysville, MI 48040	<ul style="list-style-type: none"> ▪ Car Powertrain Technology including axle drives, traction modules, driveline components 	D, P, S
Newton	ZF Chassis Components, LLC	1570 East P Street Extension, USA-Newton, NC 28658	<ul style="list-style-type: none"> ▪ Suspension components for cars 	P
Tuscaloosa	ZF Chassis Systems Tuscaloosa, LLC	1200 Commerce Drive, USA-Tuscaloosa, AL 35401	<ul style="list-style-type: none"> ▪ Axles and axle drives for cars ▪ Corner modules for cars 	P
Vernon Hills	ZF Services, LLC	777 Hickory Hill Drive, USA-Vernon Hills, IL 60061	<ul style="list-style-type: none"> ▪ Spare part trading for motor vehicles 	S, Se

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North America				
Location	ZF-Company	Address	Scope ¹	
Mexico				
El Salto	ZF Sachs Suspension México S.A. de C.V.	Km. 3.5 Carretera – El Salto La Capilla, MEX-El Salto, C.P. 45680	<ul style="list-style-type: none"> ▪ Suspension components for cars and CV's ▪ Shock absorbers 	P
Juárez	ZF Electronics de México S. de R.L. de C.V.	Av. Valle de los Cedros Nr. 1650 Parque Industrial Intermex MEX-Juárez, CP 32690	<ul style="list-style-type: none"> ▪ Electronic components 	P
Ramos Arizpe	ZF Powertrain Modules Saltillo S.A. de C.V.	Industria Metalurgica 1010-2, Parque Industrial Ramos Arizpe, MEX-Ramos Arizpe, C.P. 25900	<ul style="list-style-type: none"> ▪ Drive components for cars and CV's ▪ Torque converters ▪ Clutches 	D, P
Toluca	ZF Chassis Components Toluca S.A. de C.V.	Calle 7 Norte S/N, Manzana J, Lotes 2 y 3, Parque Industrial Toluca 2000 MEX-Toluca, C.P. 50200	<ul style="list-style-type: none"> ▪ Suspension components for cars 	D, P

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South America				
Location	ZF-Company	Address	Scope¹	
Argentina				
San Francisco	ZF Argentina S.A.	Av. de la Universidad, 51 RA-2400 San Francisco/CBA	<ul style="list-style-type: none"> ▪ Suspension components for cars and CV's ▪ Shock absorbers 	D, P, S
Brazil				
Araraquara	ZF do Brasil Ltda.	Rua Sachs, 555 BR-14800-655 Araraquara/SP	<ul style="list-style-type: none"> ▪ Clutch systems 	P
São Bernardo do Campo	ZF do Brasil Ltda.	Av. Piraporinha, 1000 BR-09891-901 São Bernardo do Campo/SP	<ul style="list-style-type: none"> ▪ Clutch systems and friction materials 	D, P, S
Sorocaba	ZF do Brasil Ltda.	Av. Conde Zeppelin, 1935 BR-18103-017, Sorocaba/SP	<ul style="list-style-type: none"> ▪ Manual and automatic transmission systems, pumps and components for CV's, Off-road driveline technology, Axle systems, Tie rods, drag inks, tie rod ends, suspension ball joints, stabilizer links and torque rods, Transmissions and control systems for boats and ships 	D, P, S, Se
		Rua Doutor Jürgen Ulderup, 541 BR-18103-905, Sorocaba/SP	<ul style="list-style-type: none"> ▪ Manual and automatic transmission systems, pumps and components for CV's, Off-road driveline technology, Axle systems, Tie rods, drag inks, tie rod ends, suspension ball joints, stabilizer links and torque rods, Transmissions and control systems for boats and ships 	P,S

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Australia				
Location	ZF-Company	Address	Scope ¹	
Edinburgh	ZF Lemförder Australia Pty. Ltd.	35 Woomera Road AUS-5111 Edinburgh, South Australia	<ul style="list-style-type: none"> Automotive axles, suspensions and steering systems 	P

South Africa				
Location	ZF-Company	Address	Scope ¹	
Rosslyn	ZF Lemförder SA (Pty.) Ltd.	120 Doreen Avenue, Extension 1, SA-0200 Rosslyn	<ul style="list-style-type: none"> Axles 	P

Asia Pacific				
Location	ZF-Company	Address	Scope ¹	
India				
Coimbatore	ZF Wind Power Coimbatore Private Ltd.	Plot No. 3, Hi Techn Engineering and Service Sector SEZ, Karumathampatty and Kittampalayam Village IND-641659 Tamil Nadu	<ul style="list-style-type: none"> Gear boxes, transmissions & axles Wind turbines 	D, P, S, Se
Maharashtra. Pune	ZF India Private Limited	Plot B 38, MIDC Chakan Phase II, Village- Vasuli, Tal.- Khed, Dist.- Pune – 410501 IND – Maharashtra. Pune 410501	<ul style="list-style-type: none"> Transmissions, chassis components, clutches, services 	P, S, Se

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Asia Pacific				
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Korea				
Changwon	ZF Sachs Korea Co. Ltd.	#173 Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do 51534	▪ Shock absorbers and strut modules	D, P
Gumi City	ZF Lemförder Chassis Technology Korea Co.Ltd	23B4L, Gumi National Industrial Complex 4, Gupo-Dong, Gumi City Gyeongsangbuk-Do 730-400	▪ Chassis module and system components	D, P
Malaysia				
Padang	ZF Chassis Systems Sdn. Bhd.	Lot 1453, Kawasan Perindustrian Padang Meha, Mukim Padang Meha, 09400 Padang Serai, Kedah Darul Aman, Malaysia.	▪ Assembled Chassis Systems (Complete Front & Rear Axle)	P
Taiwan				
Kaohsiung City	ZF Faster Propulsion System Co., Ltd.	17, Dayou 1 st street, Dafa Industrial District, Daliao District, Kaohsiung City, Taiwan, R.O.C.	▪ Propeller ▪ Shaft for propeller	D, P
Thailand				
Rayong	ZF Lemforder (Thailand) Co., Ltd.	300/84 Moo.1 Eastern Seaboard Industrial Estate Tambon Ta-sit Pluakdaeng TH-21140 Rayong	▪ Assembly of modules and systems for wheel location and suspension	P

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