



# MANAGEMENT SYSTEM CERTIFICATE

Certificate no.:  
10000407738-MSC-RvA-DEU

Initial certification date:  
18 November 2013

Valid:  
04 March 2021 – 31 December 2021

This is to certify that the management system of

## ZF Friedrichshafen AG

Löwentaler Str. 20, D-88046 Friedrichshafen, Germany

and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Occupational Health and Safety Management System standard:  
**ISO 45001:2018**

This certificate is valid for the following scope:

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

Place and date:  
Barendrecht, 05 March 2021

For the issuing office:  
DNV - Business Assurance  
Zwolseweg 1, 2994 LB Barendrecht, Netherlands



Erie Koek  
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV GL Business Assurance B.V., Zwolseweg 1, 2994 LB, Barendrecht, Netherlands - TEL: +31(0)102922689. [www.dnvgl.com/assurance](http://www.dnvgl.com/assurance)

## Appendix to Certificate

### ZF Friedrichshafen AG

Locations included in the certification are as follows:

<b>Western Europe</b>				
<b>Location</b>	<b>ZF-Company</b>	<b>Address</b>	<b>Scope<sup>1</sup></b>	
<b>Great Britain</b>				
Crick	ZF Services UK Ltd.	Eldon Way Crick Industrial Estate Northamptonshire UK-Crick NN6 7SL Crick	<ul style="list-style-type: none"> <li>Spare part trading for motor vehicles</li> </ul>	S
Nottingham	ZF Services UK Ltd.	Abbeyfield Road Lenton UK-Nottingham NG7 2SX	<ul style="list-style-type: none"> <li>Products and spare parts for transmission, axles and steering technology sectors</li> </ul>	S, Se
Darlaston	ZF Lemforder UK Ltd.	Heath Road UK-Darlaston, WS10 8BH	<ul style="list-style-type: none"> <li>Automotive suspensions and steering components, systems and associated products</li> </ul>	P, S
Solihull	ZF Lemforder UK Ltd.	Birmingham International Park Starley Way, Bickenhill UK-Solihull, West Midlands	<ul style="list-style-type: none"> <li>Automotive suspensions and steering components, systems and associated products</li> </ul>	P
<b>Italy</b>				
Arco	ZF Marine Arco S.p.A.	Via S. Andrea, 16, I-3862 Arco	<ul style="list-style-type: none"> <li>Marine transmissions through the steps of machining, heat treatment, assembly, painting</li> </ul>	D, P
Candiolo	ZF Sachs Italia S.r.l.	Via Sestriere, 28/2 - Candiolo I-10060 Candiolo (Torino)	<ul style="list-style-type: none"> <li>Motorbikes shock absorbers</li> </ul>	D, P, S
Padova	ZF Padova s.r.l.	Via Penghe, 48 Caselle die Selvazzanon I-35030 Padova	<ul style="list-style-type: none"> <li>Marine transmissions through the steps of machining, heat treatment, assembly, painting</li> </ul>	D, P

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<b>Location</b>	<b>ZF-Company</b>	<b>Address</b>	<b>Scope<sup>1</sup></b>	
<b>Spain</b>				
Coslada	ZF Services España, S.A.U.	Avenida Fuentemar, 11 E-28823 Coslada (Madrid)	<ul style="list-style-type: none"> <li>Products and spare parts for transmission, axles and steering technology</li> </ul>	S, Se
Ermua	ZF Lemförder TVA, S.A.	Zeharkalea, S/N E-48260 Ermua (Vizcaya)	<ul style="list-style-type: none"> <li>Suspension ball joints, axial ball joints</li> <li>Suspension arms and tie rods</li> </ul>	D, P
Lezama	ZF Sachs España, S.A. Unipersonal	Bo Aretxalde, 130, E-48196 Lezama	<ul style="list-style-type: none"> <li>Suspension components for cars</li> <li>Shock absorbers</li> </ul>	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"> <li>Administration and customer service</li> </ul>	S, Se
Vitoria	ZF Services España, S.A.U.	C/ Ollamendi, 5 CTV (Júndiz) E-01015 Vitoria (Álava)	<ul style="list-style-type: none"> <li>Spare part trading for motor vehicles</li> </ul>	S, Se
<b>Germany</b>				
Alfdorf	TRW Automotive GmbH	Industriestraße 20 D-73553 Alfdorf	<ul style="list-style-type: none"> <li>Gearboxes and transmissions for windturbines, industrial and mobile applications</li> </ul>	D, P, S
Bad Neuenahr-Ahrweiler	ZF Friedrichshafen AG	Max-Planck-Straße 17 D-53474 Bad Neuenahr-Ahrweiler	<ul style="list-style-type: none"> <li>Suspension components for cars</li> </ul>	P
Brandenburg	ZF Getriebe Brandenburg GmbH	Caasmannstraße 9 D-14770 Brandenburg	<ul style="list-style-type: none"> <li>Manual transmissions and Dual Clutch Transmissions for cars</li> </ul>	D, P, S, Se
		Geschwister-Scholl-Straße 2 D-14770 Brandenburg		
Diepholz	ZF Friedrichshafen AG	Siemenstraße 4 + 7 D-49356 Diepholz	<ul style="list-style-type: none"> <li>Components for transmission gearshifts for cars and commercial vehicles</li> </ul>	P
		Dr.-Jürgen-Ulderup-Straße 11 D-49356 Diepholz		
Damme	ZF Friedrichshafen AG	Dr.-Jürgen-Ulderup-Platz 1 D-49401 Damme	<ul style="list-style-type: none"> <li>Chassis components for cars</li> </ul>	P

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Locations included in the certification are as follows:

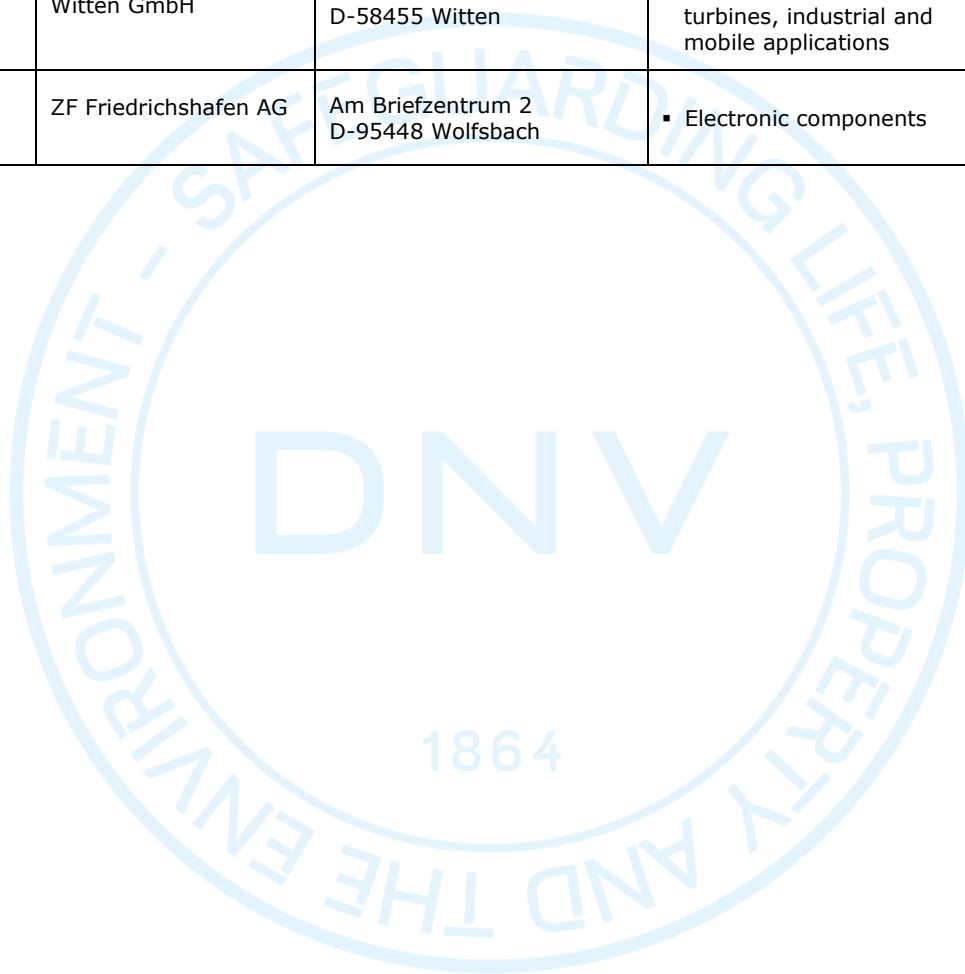
<b>Western Europe</b>				
<b>Location</b>	<b>ZF-Company</b>	<b>Address</b>	<b>Scope<sup>1</sup></b>	<b>Location</b>
<b>Germany</b>				
Kreuztal	ZF Friedrichshafen AG	Langenauer Straße 18 D-57223 Kreuztal	<ul style="list-style-type: none"> <li>Chassis components for cars</li> </ul>	P
Friedrichshafen	ZF Friedrichshafen AG	Löwentaler Str. 20 D-88046 Friedrichshafen	<ul style="list-style-type: none"> <li>Central function for the management system</li> </ul>	
Gotha	ZF Friedrichshafen AG	Passauer Straße 1 D-99867 Gotha	<ul style="list-style-type: none"> <li>Axle drive systems for automobile industry</li> </ul>	P, S
Koblenz	ZF Active Safety GmbH	Carl-Spaeter-Str. 8 D-56070 Koblenz	<ul style="list-style-type: none"> <li>Brakes and brake components for passenger cars for the automotive industry</li> </ul>	D, P, S
Lemförde	ZF Friedrichshafen AG	Alter Bahndamm 12 D-49448 Lemförde	<ul style="list-style-type: none"> <li>Axles and axle components</li> <li>Chassis components for cars and commercial vehicles</li> </ul>	D, S
Passau	ZF Friedrichshafen AG	Donaustraße 25-71 D-94034 Passau	<ul style="list-style-type: none"> <li>Off-road driveline technology</li> <li>Axle systems</li> <li>Transmission systems for stacking systems</li> <li>Test systems</li> </ul>	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"> <li>Automatic Transmission for cars</li> </ul>	D, P, S, Se
		Großblittersdorfer Str. 247 D-66117 Saarbrücken		
		Südring 1 D-66117 Saarbrücken		
		Metzner Str. 160 D-66117 Saarbrücken		
		Am Heidenhübel 99 D-66539 Neunkirchen		
Hans-Großwendt Ring 19 D-66333 Völklingen				
Thyrnau	ZF Friedrichshafen AG	Graf-Zeppelin-Straße 1 D-94136 Thyrnau	<ul style="list-style-type: none"> <li>Axle systems for automobile industry</li> </ul>	D, P, S

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Wagenfeld	ZF Friedrichshafen AG	Dr.-Jürgen-Ulderup-Platz 1 49419 Wagenfeld	<ul style="list-style-type: none"> <li>Chassis components for cars</li> </ul>	P
Witten	ZF Industrieantriebe Witten GmbH	Mannesmannstraße 29 D-58455 Witten	<ul style="list-style-type: none"> <li>Gearboxes and transmissions for wind turbines, industrial and mobile applications</li> </ul>	D, P, S, Se
Wolfsbach (Bayreuth)	ZF Friedrichshafen AG	Am Briefzentrum 2 D-95448 Wolfsbach	<ul style="list-style-type: none"> <li>Electronic components</li> </ul>	P



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<b>Western Europe</b>				
<b>Location</b>	<b>ZF-Company</b>	<b>Address</b>	<b>Scope<sup>1</sup></b>	
<b>Austria</b>				
Lebring	ZF Lemförder Achssysteme Ges.m.b.H. & Co. KG	Parkring 1 A- 8403 Lebring	▪ Axles and corner modules for cars	P
<b>Belgium</b>				
Lommel	ZF Windpower Antwerpen NV	Gerard Mercatorstraat 40, B-3920 Lommel	▪ Wind gear units	D, P, Se
<b>France</b>				
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
<b>Turkey</b>				
Izmir	ZF Lemforder AKS Modulleri SAN. ve TIC. A.S.	Atatürk Organize Sanayi Bölgesi 10003 SK. NO:13 TR-35620 Cigli-Izmir	▪ 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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<b>Eastern Europe</b>				
<b>Location</b>	<b>ZF-Company</b>	<b>Address</b>	<b>Scope<sup>1</sup></b>	
<b>Hungary</b>				
Eger	ZF Hungária Kft.	Kistályai út 2, 2/a H-3300 Eger	<ul style="list-style-type: none"> <li>▪ Transmissions, gearboxes and their parts</li> </ul>	D, P
<b>Slovakia</b>				
Levice	ZF Slovakia a.s.	Ulica Zeppelina 1 + 3, SK-934 01 Levice	<ul style="list-style-type: none"> <li>▪ Clutch systems for passenger cars and commercial vehicles</li> <li>▪ Torque converters for automotive industry</li> <li>▪ Clutch facings</li> </ul>	P, S
		Ku Bratke 5 SK- 934 01 Levice	<ul style="list-style-type: none"> <li>▪ Suspension components for cars</li> </ul>	P, S
<b>Czech Republic</b>				
Stankov	ZF Stankov s.r.o.	Ohucov 25 CZ-34561 Stankov	<ul style="list-style-type: none"> <li>▪ Axles for construction machinery</li> <li>▪ Drives and transmissions for lift trucks</li> </ul>	P, S
<b>Serbia</b>				
Pančevo	ZF Serbia d.o.o.	7. Nova 7 SER- 26 000 Pančevo	<ul style="list-style-type: none"> <li>▪ Axles for construction machinery</li> <li>▪ Drives and transmissions for lift trucks</li> </ul>	P, S

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Locations included in the certification are as follows:

North America				
Location	ZF-Company	Address	Scope <sup>1</sup>	
<b>United States</b>				
Duncan	ZF Chassis Systems Duncan, LLC	191 Parkway West, USA-Duncan, SC 29334	<ul style="list-style-type: none"> <li>▪ Axles and axle drives for cars</li> <li>▪ Corner modules for cars</li> </ul>	P
Gainesville	ZF Gainesville, LLC	1261 Palmour Drive SW USA-Gainesville, GA 30501	<ul style="list-style-type: none"> <li>▪ Parking brakes</li> <li>▪ Transmissions</li> <li>▪ Axles and axle drives</li> <li>▪ Wind turbine</li> </ul>	P
		1925 New Harvest Drive SW USA-Gainesville, GA 30502		
		5405 Rafe Banks Drive USA-Flowery Beach, 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"> <li>▪ Automatic transmissions for cars</li> </ul>	P
Lapeer	ZF Chassis Components, LLC	3300 John Conley Drive, USA-Lapeer, MI 48446	<ul style="list-style-type: none"> <li>▪ Chassis components for cars</li> <li>▪ Control arms</li> <li>▪ Suspension parts and engine components</li> </ul>	P
Marshall	ZF Active Safety and Electronics US LLC	902 South Second St. USA-Marshall, IL 62441	<ul style="list-style-type: none"> <li>▪ Electronic safety systems and electronic convenience systems</li> </ul>	P
Marysville	ZF Axle Drives Marysville, LLC	2900 Busha Highway, USA-Marysville, MI 48040	<ul style="list-style-type: none"> <li>▪ Car Powertrain Technology including axle drives, traction modules, driveline components</li> </ul>	D, P, S
Newton	ZF Chassis Components, LLC	1570 East P Street Extension, USA-Newton, NC 28658	<ul style="list-style-type: none"> <li>▪ Suspension components for cars</li> </ul>	P
Tuscaloosa	ZF Chassis Systems Tuscaloosa, LLC	1200 Commerce Drive, USA-Tuscaloosa, AL 35401	<ul style="list-style-type: none"> <li>▪ Axles and axle drives for cars</li> <li>▪ Corner modules for cars</li> </ul>	P
Vernon Hills	ZF Services, LLC	777 Hickory Hill Drive, USA-Vernon Hills, IL 60061	<ul style="list-style-type: none"> <li>▪ Spare part trading for motor vehicles</li> </ul>	S, Se

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North America				
Location	ZF-Company	Address	Scope <sup>2</sup>	
<b>Mexico</b>				
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"> <li>▪ Suspension components for cars and CV's:</li> <li>▪ Shock absorbers</li> </ul>	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"> <li>▪ Electronic components</li> </ul>	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"> <li>▪ Drive components for cars and CV's</li> <li>▪ Torque converters</li> <li>▪ Clutches</li> </ul>	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"> <li>▪ Suspension components for cars</li> </ul>	D, P

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<b>South America</b>				
<b>Location</b>	<b>ZF-Company</b>	<b>Address</b>	<b>Scope<sup>1</sup></b>	
<b>Argentina</b>				
San Francisco	ZF Argentina S.A.	Av. de la Universidad, 51 RA-2400 San Francisco/CBA	<ul style="list-style-type: none"> <li>▪ Suspension components for cars and CV's:</li> <li>▪ Shock absorbers</li> </ul>	D, P, S
<b>Brazil</b>				
Araraquara	ZF do Brasil Ltda.	Rua Sachs, 555 BR-14800-655 Araraquara/SP	<ul style="list-style-type: none"> <li>▪ Clutch systems</li> </ul>	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"> <li>▪ Clutch systems and friction materials</li> </ul>	D, P, S

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

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<b>Asia Pacific</b>				
<b>Location</b>	<b>ZF-Company</b>	<b>Address</b>	<b>Scope<sup>1</sup></b>	
<b>Korea</b>				
Changwon	ZF Sachs Korea Co. Ltd.	#173 Seongsanpaechong-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do 51534	<ul style="list-style-type: none"> <li>Shock absorbers and strut modules</li> </ul>	D, P
<b>Taiwan</b>				
Kaohsiung City	ZF Faster Propulsion System Co., Ltd.	17, Dayou 1 <sup>st</sup> street, Dafia Industrial District, Daliao District, Kaohsiung City, Taiwan, R.O.C.	<ul style="list-style-type: none"> <li>Propeller</li> <li>Shaft for propeller</li> </ul>	D, P
<b>India</b>				
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"> <li>Gear boxes, transmissions &amp; axles</li> <li>Wind turbines</li> </ul>	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"> <li>Transmissions, chassis components, clutches, services</li> </ul>	P, S, Se
<b>Malaysia</b>				
Padang	ZF Chassis Systems Sdn. Bhd.	Lot 1453, Kawasan Perindustrian Padang Meha, Mukim Padang Meha, 09400 Padang Serai, Kedah Darul Aman, Malaysia	<ul style="list-style-type: none"> <li>Assembled chassis systems</li> </ul>	P
<b>Thailand</b>				
Rayong	ZF Lemforder (Thailand) Co., Ltd.	300/84 Moo.1 Eastern Seaboard Industrial Estate Tambon Ta-sit Pluakdaeng TH-21140 Rayong	<ul style="list-style-type: none"> <li>Assembly of modules and systems for wheel location and suspension</li> </ul>	P
	ZF Chassis System (Rayong) Co.,Ltd.	7/201 Moo 6, Amata City Industrial Estate, Map Yang Phon, Pluakdaeng TH-21140 Rayong	<ul style="list-style-type: none"> <li>Modules and systems for powertrain and suspension as well as associated parts</li> </ul>	P

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