## Personal information

Name:

Alois Josef Ludwig

Born:

20 February 1949 in Much-Ophausen

Nationality:

German

Marital status:

Married since 1970, two children

School education:

1955 - 1960 Volksschule Much-Niederbonrath (junior school)

1960 - 1966 Realschule Much (middle school)

1966 - 1968 Höhere Handelsschule Gummersbach (business college)

Vocational training:

1968 - 1970 vocational apprenticeship as industrial clerk:

L & C Steinmüller GmbH, Gummersbach

Work history:

1970 - 1990

Boge GmbH / 1986: Boge AG

1990 - 1997

Mannesmann Sachs AG

1998 - 2001

Sachs Handel GmbH

2002 - February 2015 ZF AG / ZF Services

Languages:

German, English, Spanish, French

Basic Portuguese, basic Italian

Hobbies:

Music, literature, sport (golf, hiking)

Most recent role:

Chairman of the Board of Directors of ZF Services

(business unit of ZF Friedrichshafen AG)

Home address:

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Email

Alois.J.ludwig@web.de

## Most recent responsibilities

Role:

Chairman of the Board of Directors

ZF Services (up to 28 February 2015 / retirement)

Operational:

Global service and sales

o Spare parts, independent aftermarket o Spare parts for reconditioning and repair

o Diagnosis and implementation of remedies for own plants o Diagnosis and implementation of remedies for partner plants o OES - passenger cars, commercial vehicles and off-road business

Revenue:

€2,200 million (2014)

Strategic planning:

€5,500 million (up to 2025)

Employees:

approx. 4,200 employees at ZF Services (globally)

Directorships:

ZF - internal directorships (up to 28 February 2015)

TecAlliance / member of the supervisory board (up to 31 December 2014)

VDA, Working Group - Retail Business (up to 31 December 2014)

VREI / member of the advisory board (up to 28 February 2015)

Retirement:

from 1 March 2015

Activity:

Consultancy agreement (senior consultant) with

ZF Friedrichshafen AG

Freelance consultant

## Work history:

13. Jan 70	Completed vocational apprenticeship as industrial clerk
up to September 1970	L & C Steinmüller GmbH, Gummersbach International finance
from October 1970	Boge GmbH (1986: Boge AG)
1970 - 1976	Country officer, export department: Scandinavia, Finland, UK, USA
from 1976 also.	Middle East, Africa
1978	Regional sales manager: North / South America, Western / Eastern Europe, Middle East, North Africa, East Asia
1980	Issued limited power of attorney
1981	Head of sales, retail business, export
1988	Issued commercial power of attorney
1990	Appointed main department head: Sales and sales management, retail business
1992	Boge Handels GmbH Appointed executive board member
1993	Mannesmann Sachs AG Appointed member of the senior management team, Retail business
1997	Appointed director of Mannesmann Sachs AG
1998	Sachs Handel GmbH Appointed member of the executive board with responsibility for sales, marketing and product management
2002	ZF Friedrichshafen AG Professional achievements / milestones

1978 - 1986	Set up Boge subsidiaries in: North America (Irvine/California) France (Paris) UK (Stockport/Manchester) Spain (Ripollet/Barcelona)
	Set up a distribution network for South East Asia (with local importer in Singapore)
	Consolidated and reorganised a distribution network in the Middle East (with local importers)
1986 - 1990	Prepared the hive-off of the retail business within Boge AG
1990 - 1996	Set up the retail business in eastern Europe, specifically in Poland and Russia
1993 - 1997	Consolidated and reorganised the Sachs and Boge trading companies in the USA, France, Spain and the UK
	Consolidated the Sachs/Boge retail business into existing Sachs trading companies in Austria and South East Asia
1998 - 2000	Restructured the sales, marketing and product management units within the carved-out company Sachs Handel GmbH
	Set up additional trading companies in Australia, Turkey and China
	Prepared the hive-off of the retail activities in Mexico, Brazil and Argentina
	Decentralised sales and marketing activities to the markets and regions
2002 - 2007	Consolidated all trading activities of ZF AG into ZF Trading GmbH
2007 - 2010	Integrated the ZF sales and service organisation into ZF Services
2011 - 2014	Integrated the ZF customer service organisation into ZF Services
2013 - 2014	Restructured the global organisation ZF Services
28. Feb 15	End of active employment