



ELECTRIC POWER STEERING

COLUMNS & INTERMEDIATE SHAFTS

DRIVELINE SYSTEMS HYDRAULIC POWER STEERING ADAS & AUTONOMOUS TECHNOLOGY



2016 Corporate Profile

About Us

Nexteer Automotive is a global leader in advanced steering and driveline systems. In-house product development and full integration of hardware, software and electronics give Nexteer an unmatched competitive advantage as a full-service supplier.

Our vision is to expand our leadership in intuitive motion control – leveraging strengths in advanced steering and driveline systems. We maintain product focus on electric power steering (EPS), a socially responsible technology that offers automakers increased fuel economy and reduced emissions. Nexteer Automotive has put more than 40 million EPS units on the road since 1999, saving more than three billion gallons of fuel.

Nexteer draws upon a 100-year heritage of vehicle integration expertise and product craftsmanship. We are the partner of choice for our customers and suppliers, delivering dependable product solutions and building enduring relationships.

Nexteer Automotive provides real-world, vehicle-level solutions:

- Customer Focused: Respected and trusted for delivering on commitments
- **Proactive:** We listen to understand customer requirements
- ➤ **Innovative:** A market leader in steering and driveline innovations
- > Agile: Able to respond quickly with high-quality, cost-effective solutions
- ➤ **Global:** Committed to exceeding customer and vehicle needs every time, everywhere



History & Technology Milestones

100+ YEAR HISTORY

- > 1906 Founded as Jackson, Church & Wilcox Co.
- > 1909 the Jackson, Church and Wilcox business was purchased by Buick, which was owned by GM
- ▶ 1917 Company became the first automotive parts manufacturing division of GM engaged in steering systems research, design and manufacturing. The company operated as a business division under GM and was primarily involved in steering operations



- 1998 GM created Delphi Corporation, primarily as an automotive components business under GM and the steering operations became a major business division under Delphi Corporation
- 1999 Delphi Corporation was spun-off by GM to become an independent, publicly held corporation
- 2005 Delphi Corporation filed for Chapter 11 bankruptcy protection to reorganize its U.S. operations
- ➤ **2006 –** Celebrated 100-year anniversary
- 2009 Delphi Corporation's global steering operations are sold to GM and renamed Nexteer Automotive
- > 2010 GM sold Nexteer Automotive to China-based Pacific Century Motors
- 2013 Successfully completed an initial public offering on the Hong Kong Stock Exchange (HK:01316)
- > 2014 Senior notes offering in November 2014
- > 2015 Commemorated Nexteer's fifth anniversary as a stand-alone company
- > 2016 Opened World Headquarters in Auburn Hills, Michigan.

SIGNIFICANT TECHNOLOGY MILESTONES

- > 1951 Saginaw Safety Power Steering was made available to the market
- 1959 Introduced rotary valve power steering to the market which was a significant technological advancement in the steering industry and has become the industry standard

History & Technology Milestones

- 1967 Introduced Tilt-Wheel steering column to the market which offers greater driver comfort and better vehicle control
- > 1968 Introduced anti-theft steering column to the market
- ➤ 1970 Produced 20 millionth energy absorbing column which was officially recognized by the U.S. Department of Transportation
- 1976 Introduced rack and pinion steering system to the market on the AMC Pacer. This system provides a more direct steering connection with greater road feedback to the driver
- > 1995 Delphi EPS system was introduced to the market
- ▶ 1999 Received Pace Award for E-STEER™ EPS from Automotive News. The Automotive News Pace Award honors superior innovation, technological advancement and business performance among automotive suppliers
- 2006 Introduced Driver Protection Module and One Touch Adjustable Column to the market
- > 2009 Launched Single-Pinion EPS on the PSA Peugeot Citroën C3 and DS3
- 2010 Provided world's first 12-Volt Electric Power Steering systems to trucks and high performance vehicles
- ➤ 2013 MAGNASTEERTM with Torque Overlay was announced as a finalist for the Automotive News PACE Awards
- > 2013 Launched Brush Column EPS for entry level vehicles
- 2013 Launched Single-Pinion EPS system with a scalable electronic architecture on the BMW i3
- 2015 Surpassed 30 millionth EPS system since 1999 and 1 millionth Brush Column EPS since 2013 production milestones



Fact Sheet

COMPANY PROFILE

- A diverse global customer base and a market position as a leader in advanced steering and driveline technology
- ➤ Focus on electric power steering (EPS), a green technology that offers automakers increased fuel economy and reduced emissions
- Since 1999, Nexteer Automotive has put more than 40 million EPS units on the road, saving more than four billion gallons of fuel

GLOBAL FOOTPRINT

- World Headquarters: Auburn Hills, Mich.
- > Manufacturing Plants: 24
- > Application Engineering Centers: 5
- Customer Service Centers: 11
- Vehicle Performance Centers: 3
- Systems Engineering Center: 1

FULL-TIME EQUIVALENT GLOBAL WORKFORCE: 13,000+

GLOBAL CUSTOMERS: 50+, including BMW, Fiat Chrysler, Ford, GM, Toyota and PSA Peugeot Citroen, as well as automakers in India, China and South America

PRODUCTS:

- Electric Power Steering
- Hydraulic Power Steering
- Steering Columns
- Driveline and Halfshafts

REVENUE: \$3.4 billion in 2015

The building blocks in our technologies enable driver assist systems of today and those yet to come.



Products

ELECTRIC POWER STEERING

Steering is the connection point between car and driver. It provides control and the feel of the road and plays a key role in the vehicle's personality and performance.

Nexteer Automotive's EPS gives drivers the best steering control for ALL driving circumstances – from highway to off-road conditions.

Nexteer Automotive's EPS systems are designed for customer value. In addition to reduced gas emissions, customers benefit from a simplified manufacturing process that reduces proliferation, and a single mechanism design that reduces OEM assembly time.

Our unparalleled customer commitment has made Nexteer Automotive a strong, competitive global steering supplier, producing more than five million electronic power steering units in just this year alone for a full range of vehicles. As a leader in product performance and value, we offer:

- > A complete EPS portfolio
- Brushless motor technology for high efficiency and improved steering
- Entry-level brush motor column-assist EPS tailored for developing markets
- Active steering features for precise, predictable steering feel
- Non-contacting position sensor that provides CAN output and (optional) absolute position for body/chassis integration
- Flexible tuning software, which allows for rapid design iterations
- Full design control of all electronics for high reliability and rapid, flexible design changes

Nexteer Automotive provides a complete system integration capability for superior performance and reliability including column, intermediate shaft and steering gear, as well as EPS motor, sensor, controller and assist mechanism.

HYDRAULIC POWER STEERING

Nexteer Automotive has a century-long track record of bringing new, high-value steering solutions to the market, including the first hydraulic power steering (HPS) system, launched in 1951.

Since then, we've sold more than 100 million HPS systems worldwide and have pioneered advances like MAGNASTEERTM with Torque Overlay and Smart Flow.



Products

Nexteer Automotive's HPS systems are regarded among the industry's best for improved handling, safety and efficiency.

Our wheel-to-wheel expertise has made Nexteer Automotive a recognized global leader in advanced technologies, premium steering feel, vehicle-tuned integration and flexibility.

Nexteer Automotive's complete HPS system supply and vehicle integration offers customers:

- Proven global leadership in the design and vehicle integration of HPS systems
- Global engineering and manufacturing capability in North and South America, Europe and Asia
- World-class noise and product validation testing facilities

Nexteer Automotive has modernized its HPS systems for compatibility with driver assist technologies and maximum fuel efficiency through the introduction of its MAGNASTEERTM with Torque Overlay (MTO) and Smart Flow systems.

MTO brings safety, comfort and driver assist technologies to vehicles beyond the traditional range of electric power steering. Torque Overlay, applied through software and existing hardware enhancements, can add or subtract torque to the steering system, independent of the driver, in either direction.

MTO-enabled features include:

- Park Assist
- Pull Compensation
- Stability Control
- Active Damping
- Active Return to Center
- Rough Road Feedback Reduction
- Driver Alert Warnings

Smart Flow increases HPS operating efficiency and fuel efficiency by reducing parasitic loss on the engine. It can be combined with the MTO system for an optimized HPS experience.





Products

STEERING COLUMNS

From driver-focused convenience to customer-tailored solutions, Nexteer Automotive's stable of steering column products combines versatility, multiple functionalities and advanced engineering to help automakers meet evolving consumer, regulatory and environmental requirements. Steering columns are designed to offer safety, fuel efficiency gains from lightweight materials and passenger comfort by eliminating road vibrations.

The steering column connects the driver to the vehicle in a way no other component does.

With the market shifting to modules and systems, as well as an increased use of electronics, Nexteer Automotive offers a suite of customer-focused steering column options that include:

- Customizable selection of energy-absorbing load, distance and dynamics
- A column airbag system for enhanced driver crash protection
- Integration capabilities for switches, sensors and control functions
- Anti-theft systems
- Electronic column lock
- Actuators, controllers and sensors

DRIVELINE AND HALFSHAFTS

Nexteer Automotive driveline products fill the important role of transmitting torque at constant velocity within various driveline geometries.

With more than 50 years of experience in this critical product area, Nexteer Automotive has established a proven track record of performance, durability and value across our wide product portfolio.

Customer service and value are the priorities of our driveline team. Whether it's our unmatched vehicle integration capabilities, custom-engineered driveline products or minimizing vehicle disturbances, our goal is to exceed our customers' demands.

From halfshafts to constant velocity joints, Nexteer Automotive products are designed for enhanced passenger comfort, reduced weight and improved fuel economy while delivering superior warranty performance.



Advanced Driver Assistance System (ADAS) Features

Nexteer technologies power a host of ADAS features in our advanced steering systems like EPS and MTO. In addition, a number of market trends are driving content and expansion opportunities such as increased demand for fuel efficiency, vehicle connectivity, driver assist and autonomous technologies. Even the essence of how the market defines 'mobility' is quickly evolving and fueling Nexteer's research and development activities.





Board of Directors

Nexteer Automotive's Board of Directors is responsible and has general powers for the management and conduct of its business. The Board comprises eight directors, including five non-executive directors, a majority of whom are independent non-executive directors.

EXECUTIVE DIRECTORS



Guibin Zhao
Chairman, Executive Board Director and Chief
Executive Officer

Guibin Zhao was appointed chairman and executive director of the Board in June 2013. Zhao has been chief executive officer since June 2012. In his current role, Zhao is responsible for setting Nexteer's strategic vision, direction and goals, along with the overall execution of company's strategy.

In addition to his role at Nexteer, Zhao is director of Pacific Century Motors (PCM) Steering and chairman of

the Board of Directors for several of PCM's subsidiaries.

Zhao holds an executive masters degree in business administration from the University of Electronic Science and Technology of China.



Mike Richardson President and Executive Board Director

Mike Richardson is president and executive board director. In his current role, he leads a highly skilled team of over 13,000 people and oversees 22 manufacturing facilities, five technical centers and 11 customer service centers across the globe in 11 countries. He is also a member of Nexteer's Global Strategic Council.



Board of Directors



Yi Fan
Vice President, Executive Board Director and Joint
Company Secretary

Yi Fan was appointed vice president in November 2013. He was previously appointed executive board director in June 2013 and was appointed joint company secretary in January 2013. In his current role, Fan manages the company's secretarial duties. Fan currently serves as director and secretary of the board of directors for PCM as well as director of several of the company's subsidiaries. He is also a member of Nexteer's Global Strategic Council.

NON-EXECUTIVE DIRECTORS



Dean Lu Non-Executive Director

Dean Lu was appointed non-executive director in August 2013. In his current role, Lu is responsible for participating in Nexteer's strategic and key operational decision making processes and advising on Nexteer's strategies and policies. Lu currently serves as director and general manager of AVIC Automotive Systems Holding, one of Nexteer's controlling shareholders. In addition, Lu is director of PCM, one of Nexteer's controlling shareholders.



Xiaobo Wang Non-Executive Director

Xiaobo Wang was appointed non-executive director in August 2013. In his current role, Wang is responsible for participating in Nexteer's strategic and key operational decision making processes and advising on Nexteer's strategies and policies. Wang currently serves as director of PCM, one of Nexteer's controlling shareholders. He has served as general manager of Beijing E-Town since February 2012.



Board of Directors



Hing Lun Tsang Independent Non-Executive Director

Hing Lun Tsang was appointed independent nonexecutive director in June 2013. Tsang has over 30 years of experience in the banking, finance and wealth management sectors. He currently holds independent non-executive directorships in the following listed companies: China Rongsheng Heavy Industries Group Holdings Ltd., Sinotrans Shipping Ltd. and Sino-Ocean Land Holdings Ltd.



Jianjun Liu Independent Non-Executive Director

Jianjun Liu was appointed independent non-executive director in June 2013. Liu has held legal positions at several law firms as well as at a global shipping and logistics company. He has been a partner at Zhonglun W&D Law Firm, Beijing since June 2007.



Kevin Cheng Wei Independent Non-Executive Director

Kevin Cheng Wei was appointed independent non-executive director in June 2013. Wei is currently a managing partner of a corporate finance advisory firm. He has previously served as the CFO of IFM Investments Ltd. (NYSE:CTC) from December 2007 to September 2013. He has been a director of IFM Investments Ltd. since November 2008, an independent non-executive director of Tibet 5100 Water Resources Holdings Ltd. since March 2011 and an independent non-executive director of Wisdom Holdings Group since

July 2013. Wei is a member of the American Institute of Certified Public Accountants (AICPA).





Nexteer Automotive is driven by a global management team dedicated to building on the company's strong heritage of engineering and manufacturing performance.



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Tao Liu
Senior Vice President and Global Chief Operating
Officer

Tao Liu is senior vice president and global chief operating officer. In his current role, Liu is responsible for Nexteer's day-to-day value chain management and profit & loss performance across all divisions. He is also a member of Nexteer's Global Strategic Council.



William Quigley
Senior Vice President and Chief Financial Officer

William Quigley is senior vice president and chief financial officer. In his current role, Quigley is responsible for Nexteer's treasury, capital funding and structure, accounting and financial reporting, financial planning and analysis. In addition, he is responsible for risk management, financial controls and taxation. He is also a member of Nexteer's Global Strategic Council.



Frank Lubischer
Senior Vice President of Global Engineering, Chief
Technology Officer and Chief Strategy Officer

Frank Lubischer is senior vice president of global engineering, chief technology officer and chief strategy officer. In his current role, Lubischer is responsible for corporate strategy, global engineering, technology and product portfolio, as well as mergers and acquisitions. He is also a member of Nexteer's Global Strategic Council.





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Vice President, Executive Board Director and Joint
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Yi Fan was appointed vice president in November 2013. He was previously appointed executive board director in June 2013 and was appointed joint company secretary in January 2013. In his current role, Fan manages the company's secretarial duties. Fan currently serves as director and secretary of the board of directors for PCM as well as director of several of the company's subsidiaries. He is also a member of Nexteer's Global Strategic Council.



Dennis Hoeg Vice President, Global Operations, Manufacturing Engineering, and Capital Enterprise Systems

Dennis Hoeg is vice president, global operations, manufacturing engineering and capital enterprise systems. In his current role, Hoeg is responsible for Nexteer's global manufacturing engineering, corporate lean manufacturing, process standardization, global manufacturing planning, global facilities management, capital plan and enterprise system improvements. He is also a member of Nexteer's Global Strategic Council.



Doug Owenby Vice President, Chief Operating Officer - North America Division

Doug Owenby is vice president, chief operating officer - North America division. In his current role, Owenby is responsible for the North America division, gaining commitments from the business lines and leveraging corporate functions to meet the business plan of the division. He is also a member of Nexteer's Global Strategic Council.





Herve Boyer Vice President, Chief Operating Officer – Europe and South America Division

Herve Boyer is vice president, chief operating officer – Europe and South America division. In his current role, Boyer is responsible for the Europe and South America division, gaining commitments from the business lines and leveraging corporate functions to meet the business plan of the division. He is also a member of Nexteer's Global Strategic Council.



James Corbeil Executive Director, Global Supply Management

James Corbeil is executive director, global supply management. In his current role, Corbeil is responsible for purchasing, supplier development, production control, global logistics and supplier launch management functions. He is also a member of Nexteer's Global Strategic Council.



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