



ZF Joins Mobility Open Blockchain Initiative

- **Blockchain technology makes future digital mobility services secure and efficient**
- **Auto and technology industry initiative aims to establish unified standard**

Friedrichshafen/Dubai. ZF has joined the recently established Mobility Open Blockchain Initiative (MOBI) as a founding member. MOBI is a group of leading automotive and technology organizations seeking to establish a unified blockchain network. With this initiative, ZF and other companies are aiming to provide secure, peer-to-peer blockchain technologies which make mobility more efficient, affordable and safe.

To help prevent hackers from accessing and capturing the transmission of sensitive data, vehicle and infrastructure software must be more securely protected from cyber-attacks in the future. Blockchain technology, the cryptographic, manipulation-resistant and decentralized transaction of data, provides a safe medium for mobility applications of the future.

Until now, there has been no universal standard for this technology. For this reason, ZF has joined other leading organizations in MOBI to establish new interoperability standards for blockchain applications and to build an open multi-sided marketplace that covers all forms of mobility.

ZF: Pioneer for automotive blockchain applications

ZF was one of the first tier one automotive suppliers to develop blockchain technology-based mobility applications. The company's Car eWallet technology allows vehicles to interact with other machines for technical services and small financial transactions related to mobility services, such as parking, highway or bridge tolls, or charging electric vehicles. Such applications are gaining increasing significance as more highly automated or even autonomous cars enter the market.



PRESSE-INFORMATION
PRESS RELEASE

Page 2/3, May 2, 2018

“As for a global leader in automotive technology, ZF constantly strives to make mobility more efficient and convenient,” said Arwed Niestroj, vice president, Global Innovation Hubs and Digital Transformation at ZF. “With the Mobility Open Blockchain Initiative, we can provide benefits to our customers by developing secure and efficient solutions for the future of autonomous mobility.”

A standardized blockchain network for the mobility industry would allow cars, infrastructure and service providers to efficiently communicate and transact directly with each other, supporting digital currency payments from car-to-car, tax authorities, cloud services and more. Contracts and logic can be distributed to the vehicle or infrastructure and executed locally instead of centrally. This eliminates the complexity and dependency associated with remotely connecting multiple, often proprietary technologies and services together. It also lends itself to safely storing relevant data within the vehicle, providing valuable control, access, and insights related to mobility information. This becomes critical as the industry shifts to more autonomous, shared services. At the same time, blockchain technology can help to prevent fraud, manipulation or cyberattacks.

By working together to set mobility blockchain standards, the automotive industry will be able to accelerate the creation of a better, more secure, interoperable, and high-value marketplace. Over time, the alliance seeks to address not only the needs of privately owned cars and motorcycles, but also public transportation and emerging ride sharing services, thereby helping to reduce congestion and pollution.



PRESSE-INFORMATION
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Page 3/3, May 2, 2018

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ZF Friedrichshafen AG

ZF is a global leader in driveline and chassis technology as well as active and passive safety technology. The company has a global workforce of 146,000 with approximately 230 locations in some 40 countries. In 2017, ZF achieved sales of €36.4 billion. ZF is one of the largest automotive suppliers worldwide.

ZF allows vehicles to see, think and act. The company invests more than six percent of its sales in research and development annually – in particular for the development of efficient and electric drivelines and also in striving for a world without accidents. With its broad portfolio, ZF is advancing mobility and services in the automobile, truck and industrial technology sectors.

For further press information and photos please visit: www.zf.com

MOBI

MOBI is a newly created nonprofit foundation formed to accelerate adoption and to promote standards in blockchain, distributed ledgers, and related technologies for the benefit of the mobility industry, consumers, and communities. MOBI and our partners are creating simple, standard and digital ways of identifying cars, people, and trips, of paying for mobility services, and securely exchanging and monetizing data in ways that preserve property rights and privacy.

MOBI is working with most of the world's large automakers and many mobility ecosystem players, along with many start-ups, non-profits, governments, transit agencies, and technology companies. We are convinced that by working together we can make mobility services more efficient, affordable, greener, safer and less congested.

MOBI is an open, inclusive body that acts as a 'trusted convener' and partner to entities in the emerging ecosystem of pay for use, on demand, connected, and increasingly autonomous mobility services. MOBI itself is technology and ledger agnostic.

Website: www.dlt.mobi