

International Brokerage Event
Brussels, 26-27/10/2017



aselsan



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About ASELSAN Inc.



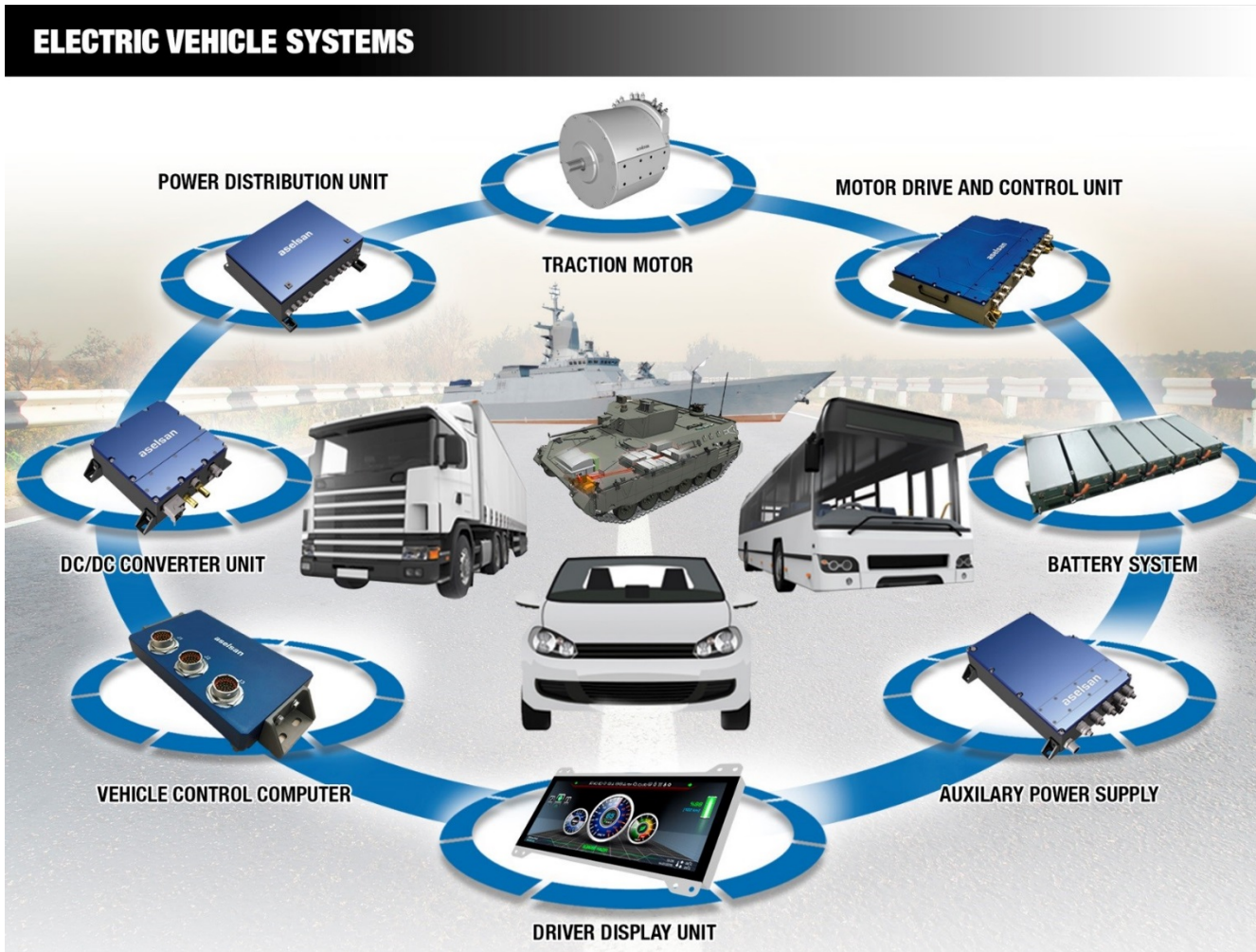
- ASELSAN is the largest defense electronics company of Turkey whose capability/product portfolio comprises communication and information technologies, radar and electronic warfare, electro-optics, avionics, unmanned systems, land, naval and weapon systems, air defense and missile systems, command and control systems, transportation, security, traffic, automation and medical systems.
- ASELSAN is the most successful industrial corporation in Turkey benefiting from the European Union's R&D funds

About ASELSAN Inc. (Cont.)



- HeERO 2 Project – 2013-2014 – Partner – ICT PSP – CIP 2007-2013
- Projects included in the 7th Framework Programme
 - TALOS (Transportable Autonomous Patrol for Land Border Surveillance System) Project
 - HYPERION (Hyperspectral Imaging IED and Explosives Reconnaissance System) Project
 - SUBCOP (Suicide Bomber Counteraction and Prevention) Project
- 7th Framework Programme Marie Curie Funds
 - POCS-DSR (POCS based Depth Super-Resolution) Project
 - SMART MEMORY Project
 - SMARTENC (Smart Video Encoders for Wireless Surveillance Networks) Project
 - ASEL-MID-IR (Compact, High-Energy and Wavelength-Diverse Coherent Mid-Infrared Source) Project
- Projects within the scope of the EUREKA Program
 - RECONSURVE (Reconfigurable Surveillance System with Communicating Smart Sensors) Project
 - SPY (Surveillance Improved System) Project

Research Interests - *TRANSPORTATION*



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- Driver Interface Panel
 - Compliant with International Standards
 - Easy to Install and Integrate to the Electric Vehicles
 - Software Programmable
- Electric Motor
 - Main traction motor family required for various types of vehicles according to international standards and environmental specs. The electric motor family offers a wide range of 150 kW power to MW range high power electric motors.
- Electric Traction System
 - ASELSAN's electrical vehicle system solutions are designed with a flexible architecture so that they can be applied to both land and sea platforms. Especially traction systems for both civilian and military applications can be found among ASELSAN's product portfolio among with other electronic units required for electrical traction.
- Motor Control Unit
- High Voltage Power Distribution Unit
- Traction System for Navy Vehicles
- Electric Vehicle Control Unit

Research Interests - *TRANSPORTATION*



- Urban Railway Signaling System
 - Intelligent traffic management for urban railway systems
 - Automatic train control and energy efficient driving techniques
 - High traffic capacity by moving block technology
 - Easy integration an trackside and on board systems by IP based and distributed architecture
 - Up to SIL 4 level of safety critical units
 - Energy and resource management by intelligent applications
 - Reduced operation costs by integrated measurement and inspection systems

Research Interests – *TRAFFIC and AUTOMATION SYSTEMS*



- Automation Systems
 - Vehicle and License Plate Recognition Systems
 - Precision Farming Systems
 - Disaster Management (Emergency Management) Systems
- Traffic Management Systems
 - Event recognition
 - Weather and road condition measurement
 - Ramp metering
 - Traveler information
 - Video management
- Electronic Toll Collection Systems
 - Cash Based Toll Collection Systems
 - Card Based Automated Toll Collection Systems
 - DSRC Based Automated Toll Collection Systems
 - Hybrid Toll Collection Systems
 - Multilane Free Flow ETC Systems (Open Road Tolling)
 - based on customer requirements for Highway and Ferry tolling

Research Interests – *IT & Communication Systems*



- Big Data & Analytics
- Tachograph Devices
- Public Safety Radio Communication Systems
- 3G & 4G Communication Systems
- Emergency Call Centers

Cooperation Interests



- MOBILITY FOR GROWTH
 - An inclusive digitally interconnected transport system meeting citizens' needs
- AUTOMATED ROAD TRANSPORT
 - Testing, validation and certification procedures for highly automated driving functions under various traffic scenarios based on pilot test data
 - Developing and testing shared, connected and cooperative automated vehicle fleets in urban areas for the mobility of all

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Recommendations

- The presentation **has to** last up to **4 minutes (maximum)**
- Do not overload your slides
- Provide weblinks to additional material
- Slides should be in English
- Do not use videos etc. – they might be not supported by the Infoday IT system
- Send your presentations in PDF format to: CoF@turkeyinh2020.eu until **23 September 2016**.