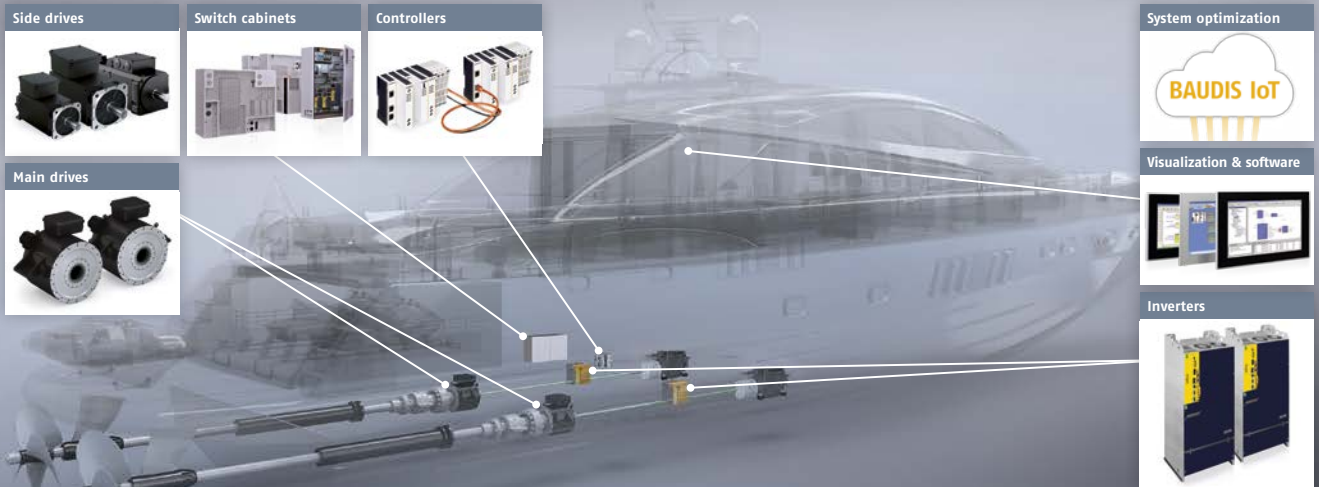


# The Future of Efficient Ship Propulsion Systems



Baumüller Anlagen-Systemtechnik is your partner for customized ship propulsion systems. Our solutions are manufacturer-independent and are implemented according to your special requirements.



## Technology Concepts from Hybrid to Hydrogen

The latest systems for your propulsion projects: From hybrid, to full-electric up to hydrogen – we always use the best fitting propulsion concept for your requirements. Our concepts are always energy-efficient and with true ecological advantages.



## Turnkey Partnership for Complete Propulsion Systems

Our engineering competence includes the entire engineering spectrum and extends from the preparation of the entire machine or installation concept to comprehensive project engineering, installation and commissioning anywhere in the world.



## Flexible Projects from Motor to Whole System

Working with us is completely flexible: We deliver components such as motors, inverters and controls but can also design and integrate the whole propulsion system. Our engineering competence includes the entire propulsion spectrum and extends from the single propulsion concept to the whole system engineering including the installation and commissioning anywhere in the world.



## Reliable Service Partner

With more than 40 locations round the globe we are able to offer you worldwide support. Our qualified subsidiaries and partners address your needs comprehensively and without delay – 7 days a week and 24 hours a day.



## Lifecycle Management for System Optimization

By using smart data algorithms we optimize your propulsion systems. The system BAUDIS IoT collects process data from different sources such as motors, inverters or the ship control. After analyzing the data you are able to get information for the optimization of your propulsion system, predictive maintenance or even for benchmarking the ships within your fleet.



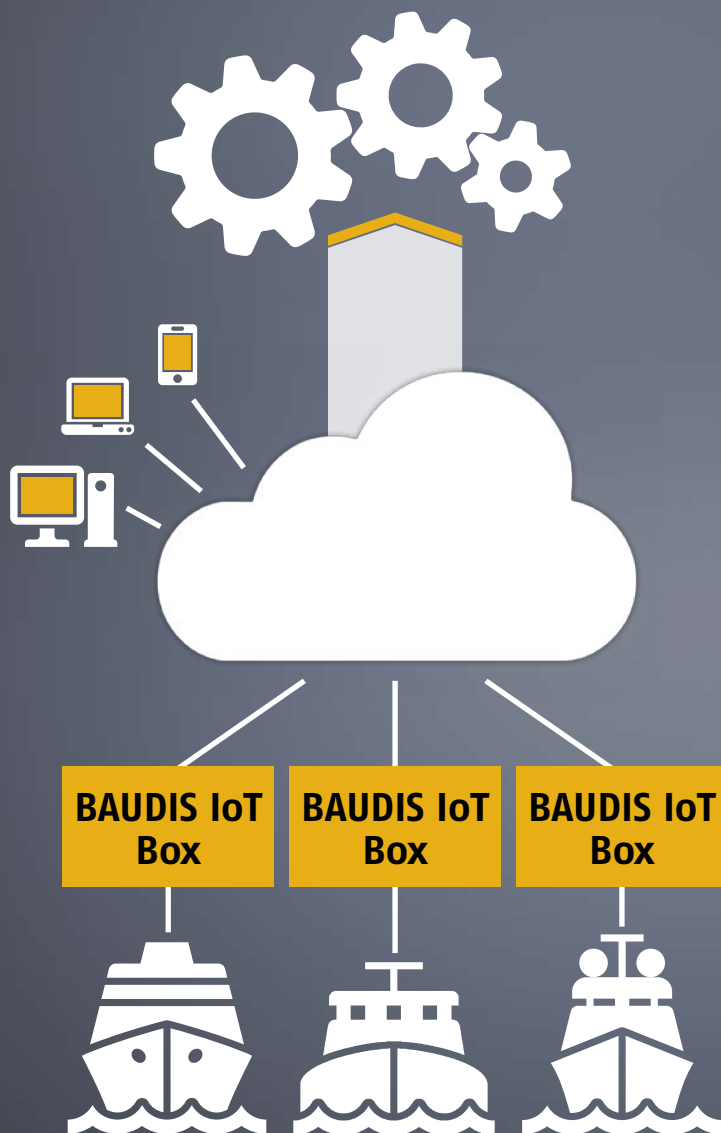
  
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# BAUDIS IoT – Enhanced Efficiency for Ship Propulsion Systems

Improve the efficiency of your ships with our system optimization tool BAUDIS IoT. The system monitors data from your propulsion system and the ship control system such as motor current, power peaks and running time. The data is collected with the BAUDIS IoT box which transfers the data to a local or a cloud server. There the data is analyzed and visualized with the BAUDIS IoT Software. You can use the smart data for fleet benchmarks, optimization of your ship controls as well as for drive and charge cycle optimization.



## Optimization

- ⊙ Fleet Benchmarks
- ⊙ Efficiency Optimization and Maintenance
- ⊙ Drive and Charge Cycle Optimization

## Smart Data & Visualization

- ⊙ BAUDIS IoT Software analyses the data
- ⊙ Visualization for several devices
- ⊙ Scalable information extend and user levels

## Data Collection & Transmission

- ⊙ BAUDIS IoT Box collects data from different sources
- ⊙ Data transfer via Wi-fi, LAN, LTE to storage (e.g. cloud, local server)

## Source of data (Motors, Ship Control, Sensors)

Monitored parameters:

- ⊙ twists
- ⊙ motor temperature
- ⊙ running time
- ⊙ ambient temperature
- ⊙ Humidity
- ⊙ Load changes (e.g. by blockages)
- ⊙ shock loads
- ⊙ power peaks

## Contact

Baumüller Anlagen-Systemtechnik GmbH & Co. KG, Ostendstraße 84, 90482 Nürnberg, Germany  
Mr. Stefan Krahn – Phone: +49 (0) 911 54408-703, stefan.krahn@baumueller.de

05/2017

Subject to change



  
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