

# GNS Electronics

Company Presentation



## Management Team



**Bernd Bierwisch**  
Managing Director

Electrical  
engineering at FH  
Aachen

Serial entrepreneur

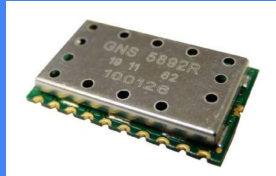
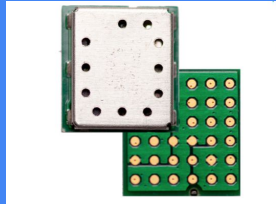
- Based in Würselen (Aachen) Germany
- Winner of AC<sup>2</sup> Growth Competition 2018
- 13 full time employees

## Company Milestones

- 2016** Founded in Würselen (Aachen) with focus on IOT HW modules (GNSS) and services
- 2017** Introduction state of the art avionics and maritime transceivers
- 2018** Execution of growth strategy
- 2019** World's first ADS-B smart antenna released
- 2020** Set-up of inhouse SMT production line
- 2020** More than 500.000 GNSS & ADS-B modules sold



# Product Portfolio



## GNSS Receiver Modules

Comprehensive product offer for the complete spectrum of IoT positioning / timing use cases



## ADS-B Receiver Modules

Technology and cost leadership for the high-growth avionics digitalization market



## AIS Transceiver Modules

# Target Markets



Image Source: Shutterstock

Global **location of things** market valued at **5bn** US\$ in 2017, expected to grow at an **CAGR of 38%** to **27bn** US\$ in 2022<sup>\*1</sup>



Image Source: Wikipedia

The **global ADS-B** market is projected to grow from **428m** US\$ in 2016 to **1.317 US\$** in 2022 (**CAGR 21%**)\*<sup>2</sup>



Image Source: Wikipedia

The **global AIS** market is expected to grow to **130m** US\$ in 2027 with an **CAGR of 7.1%**\*<sup>3</sup>

<sup>\*1</sup> <https://www.marketsandmarkets.com/Market-Reports/location-of-things-market-44362455.html>

<sup>\*2</sup> <https://www.marketsandmarkets.com/PressReleases/automatic-dependent-surveillance-broadcast.asp>

<sup>\*3</sup> <https://www.futuremarketinsights.com/reports/automatic-identification-system-market>

# Example Use Cases



## Location IoT

Smart city applications (smart street lights, smart meters, smart traffic)



## Avionic IoT

Smart Unit Load Devices (ULDs), Wireless Inflight Entertainment Systems (W-IFEs), drones



## Maritime IoT

Smart containers, digitization of mostly analogue maritime industry





## Low Power

# Hardware Independence

## Key criteria for battery powered and form-factor driven IoT applications

## Wide spectrum of silicon partners enables best in class solutions

# Selected Customers & Partners



## Company Vision

Become the innovation & technology leader for facilitating real time positioning and traffic



# Get in touch!

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