

## GOAL

Implementation of novel solutions for charging and configuration (electronic datasheet transfer) of wireless sensor devices in complex industrial environments.

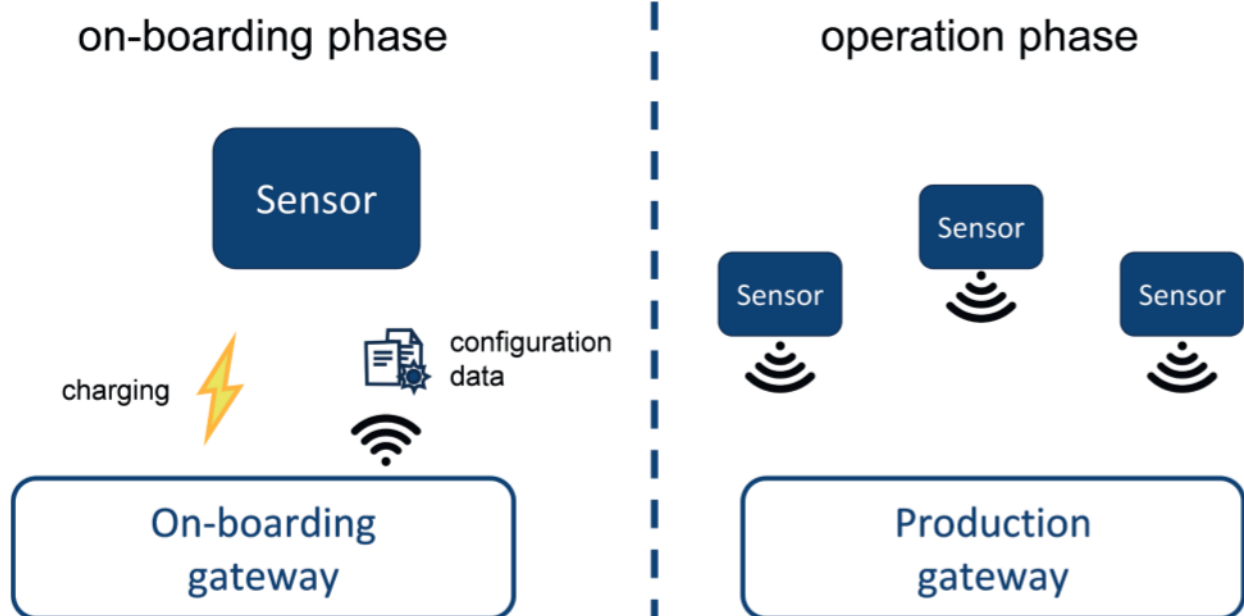
## Challenge

As digitalization advances in every aspect of our lives, also sensor devices in industrial environments are becoming more and more intelligent. Sometimes these sensor devices cannot have cable connections and use wireless connections instead. Charging and configuring such sensors presents a number of technical challenges.

CISC will work on smart maintenance for industrial devices solving the technical challenges linked with it. Together with partners, CISC will design and implement novel solutions for charging and configuration (electronic datasheet transfer) of wireless sensor devices in complex industrial environments.

CISC will show the benefits of the developed solutions by demonstrating their novel tool on the defined use case "Smart maintenance for industrial devices". Furthermore, validation and verification by using performance, conformance and interoperability tests for contactless interfaces.

Moreover, CISC will support integration of project results in relevant standardisation bodies where it can actively drive the standardisation process. A special focus will be on the contactless air interface regarding conformance, performance, interoperability and security aspects.



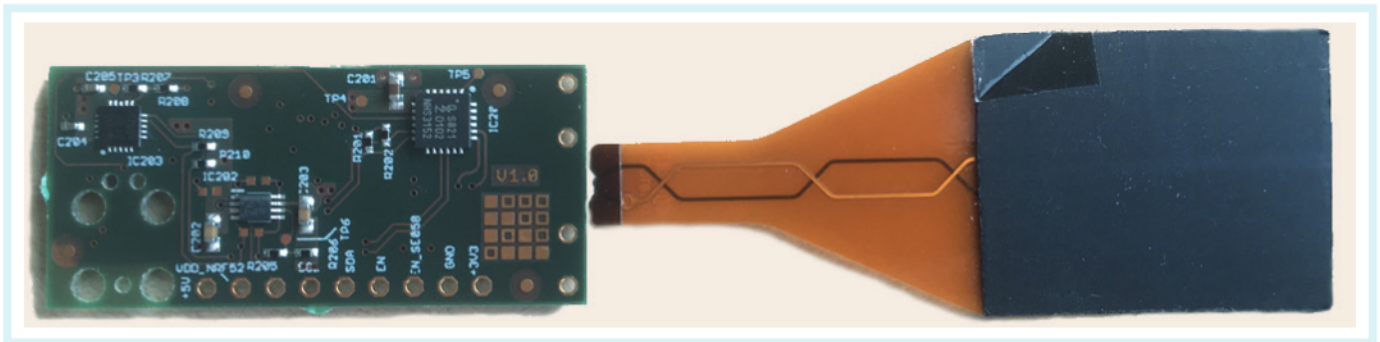


## Engineering Phases



## Exploitation

Exploitation will be realized via both products but also engineering services in form of concepts, IP provisioning but also software licensing (if the middleware) as well as appropriate libraries will be brought to customers providing applications that lack from the availability of appropriate security components, from the mobile device, the application access point and the backend services. CISC is targeting to offer a future product for this market that fulfils the demand on increased flexibility and robustness, adaptive security and user configurability.



## Partner Data



*CISC is an international oriented and highly awarded company that provides competitive and innovative products and technology for design and verification of heterogeneous networked embedded microelectronic systems. CISC delivers worldwide both products and engineering services to our customers being represented in the Semiconductor, Automotive, Wireless Communication and RFID industry.*

Company contact: +43 (463) 508 808 · office@cisc.at · www.cisc.at

Contact with the project: Luleå University of Technology · info@arrowhead.eu · www.arrowhead.eu