

## The Karlsruhe Institute for Technology (KIT) and Becker Avionics GmbH started a R&D program for a Low Power Emergency Locator Transmitter (ELT), co-funded by DLR and Becker Avionics GmbH

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Gefördert durch:



aufgrund eines Beschlusses  
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The Communication Engineering Lab (CEL) of the Karlsruhe Institute for Technology (KIT) and Becker Avionics GmbH recently have signed a cooperation agreement, funded by the Deutsches Zentrum für Luft- und Raumfahrt e. V. (DLR) and Becker Avionics GmbH.

The research and development program for a Low Power Emergency Locator Transmitter (ELT) based on a Software Defined Radio technology will be on a cutting edge. The program will be finished by the end of 2023.

The project aims to develop a low power consumption Software Defined Radio (SDR) platform enhanced with an innovative Cognitive Radio (CR) concept.

The goal is to investigate Second Generation Beacons (SGB) implementation on a low power SDR, compatible with existing Search and Rescue (SAR) systems, with additional functions improving reliability, detectability, and avoidance of signal collision.

### About

Becker Avionics is a privately held high-tech company that develops, manufactures and distributes the latest communications, navigation, surveillance and search & rescue equipment for airborne and ground operations. The company is a leader in digital avionics technology and has a long-standing history of 65 years in providing equipment to general and corporate aviation, air traffic control, law enforcement and military organizations around the world.

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