

FRAUNHOFER INSTITUTE FOR INTEGRATED CIRCUITS IIS

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IOT POSITIONING FOR SMART CITY AND IIOT



Fraunhofer Institute for Integrated Circuits IIS

Management of the Institute Prof. Dr.-Ing. Albert Heuberger (executive director) Dr.-Ing. Bernhard Grill

Am Wolfsmantel 33 91058 Erlangen Germany

Contact for research and development: Dipl.-Inf. Steffen Meyer positioning@iis.fraunhofer.de

Nordostpark 84 90411 Nürnberg Germany

www.iis.fraunhofer.de





POSITIONING IN MASSIVE IOT NETWORKS

The positioning of people and objects is becoming increasingly relevant for current and future IoT applications. Communication technologies with the possibility of positioning often provide the significant added value.

Especially for existing IoT networks, positioning can be easily and cost-effectively integrated.

With a combination of Fraunhofer's positioning competence and the LPWAN technology MIOTY[®], it is possible to offer various IoT positioning solutions in the sector of Smart City and IoT.

APPLICATION

- Smart City (e.g. public transport localization, parking spot search)
- Industrial IoT (e.g. asset tracking)

Further applications in the sector of safety, automotive or leisure are imaginable.

THE BASIS TECHNOLOGIES: MIOTY® MEETS LOCADIS®

MIOTY® - robust LPWAN technology for massive IoT

MIOTY[®] is a software-based connectivity solution for the set-up of safe and efficient Low-Power Wide-Area Networks (LPWAN) as well as for big and commercial IoT applications. The MIOTY[®] technology is an implementation of the ETSI standard "TS 103357".

Locadis[®] - precise positioning for IoT networks

Locadis[®] is a field strength based positioning technology for cellular communication networks. Based on collected reference values, a precise positioning indoor as well as outdoor area is possible. The patent-protected process is used as a softwarebased solution in many environments

OUR OFFER

- Licensing of IoT and locating technologies
- Specific adjustments and developments
- Pilot tests within the Proof of Concept

Realize your ideas with individual solutions of the Fraunhofer IIS!