CELTIC AI Proposers Webinar

31st March 2020, 14:00 – 17:00 CET

Pitch of the Project Proposal

AI assisted smart buildings

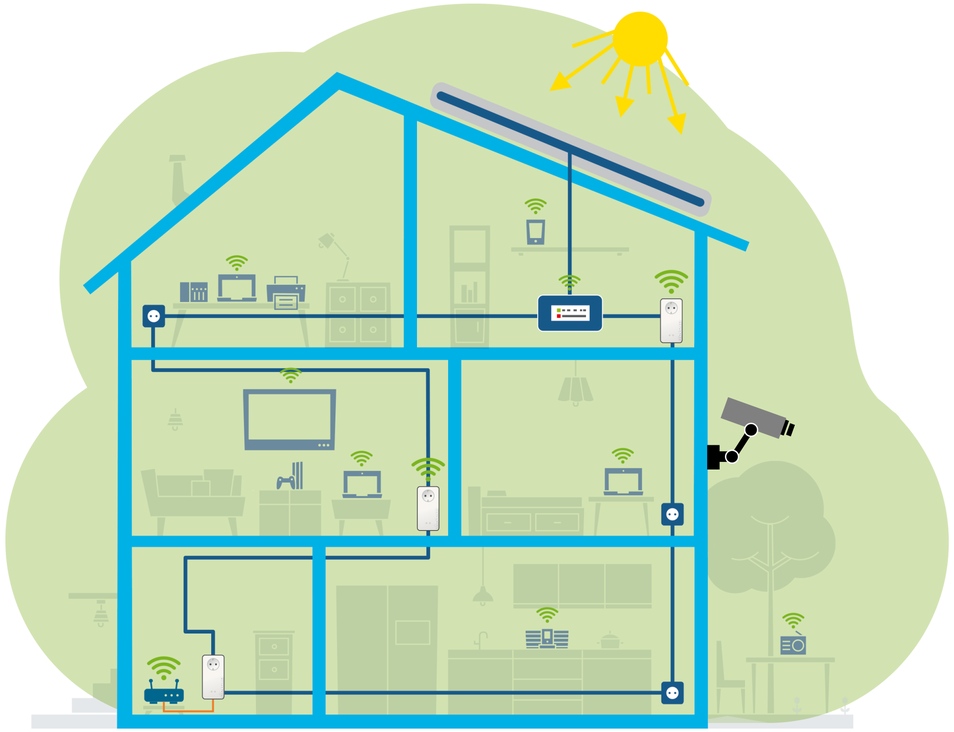
devolo

Dr. Christoph July
christoph.july@devolo.de

Teaser

Idea: AI assistet computer vision and data analysis

- By employing highly embedded devices, so called NetCPUs, in IoT environment for data harvesting and processing, we aim to shift processing load from the cloud to affordable energy sufficient local devices.
- Making use of AI and hardware acceleration creates the necessary flexibility, resilience and low latencies needed for critical infrastructure e.g. smart grids or alarm events.
- AI assisted image processing and feature analysis is not only an upcoming field surveillance industry. Live supporting technologies like elderly care and ambient assisted living are growing yet poorly automated fields.



Organisation Profile

devolo

CELTIC-NEXT

Today, devolo is positioned as strong medium-sized company.

300 employees

45% in R&D

Turnover 104 Mio. EUR (2018)

Production in Asia und Germany

EUREKA

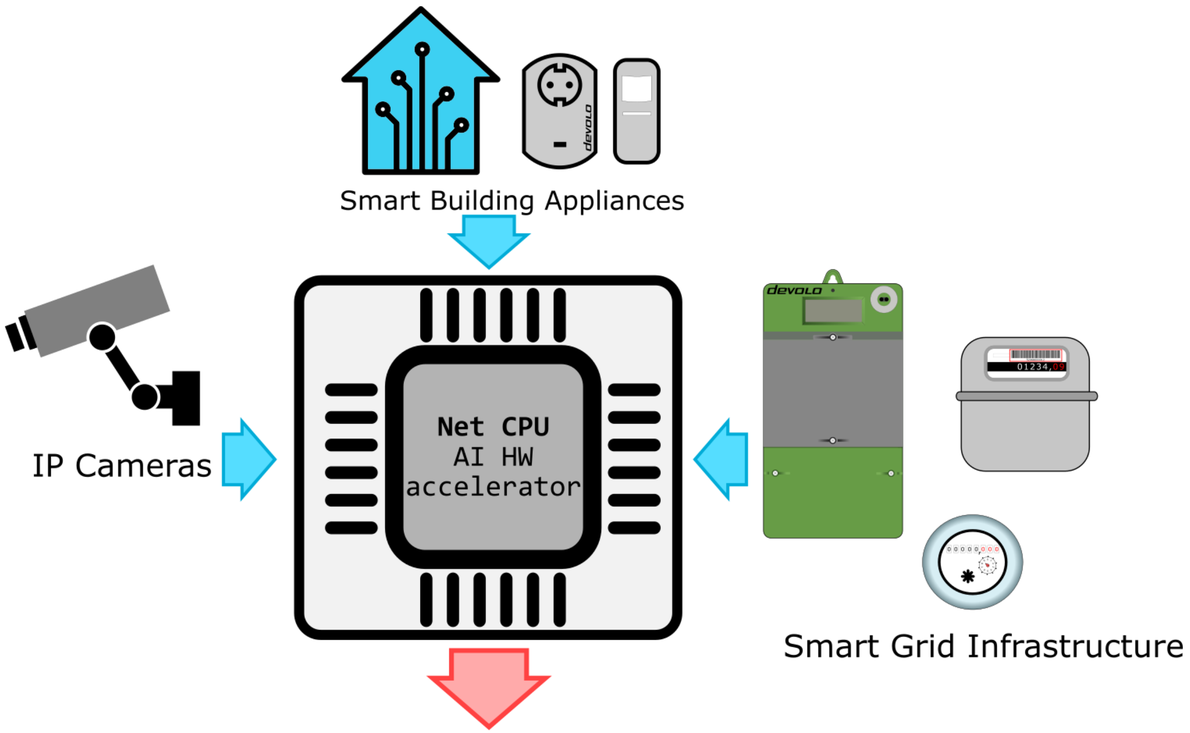
Organisation Profile – funding Projects

devolo has been involved in international research and funding projects for many years.

Together with partners from industry, science and associations, innovative technologies, new solutions and forward-looking concepts are developed.

Proposal Introduction

- *Smart building data processor (NetCPU)*
- *Possible applications range from ambient assisted living over elderly care to smart cities*
- *gathers input from various data sources: correlates and processes these information locally*
- *highly flexible embedded AI platform with integrated HW acceleration*
- *high security level required due to data privacy considerations*
- *should support typical APIs and protocols to communicate with “sensors”*



- feature extraction
- prognosis of probable events
- correlation of different data sources

Partners

Partner expertise:

- *Machine learning on embedded systems*
- *Computer Vision*
- *IoT networking*
- *embedded computing*
- *data privacy*
- *hard- and software security*

Contact Info

For more information and for interest to participate please contact:

Dr. Christoph July

devolo AG
Charlottenburger Allee 67
52068 Aachen - Germany
Phone: +49 241 182 79 163
Fax: +49 241 182 79 899
Mobile: +49 170 5720131
E-Mail: christoph.july@devolo.de
Website: www.devolo.de