

An aerial night view of a city, likely Berlin, featuring the TV Tower (Fernsehturm) in the background. The city lights are visible, and a network of white lines with small colored squares (yellow, blue, red) is overlaid on the image, suggesting a network or IoT theme.

OPENMTC OPEN SOURCE RELEASE



Fraunhofer
FOKUS

ENABLING RESEARCH AND DEVELOPMENT FOR
INTEROPERABLE IOT/M2M SOLUTIONS

KONTAKT



Want to learn more about OpenMTC?
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WHAT IS THE ISSUE?

Millions of additional devices will be connected to the Internet during the coming years.. Data needs to be aggregated and analyzed in order to generate added value. Dozens of IoT protocols and platforms exist. Which one should I use for evaluation of IoT technologies?

HOW WE SOLVE THE ISSUE?

OpenMTC is an IoT integration system for R&D purposes, designed to provide horizontal convergence layers supporting multiple vertical application domains, focusing on Industry, Energy, Smart Cities and E-Health. This software is a vendor-agnostic prototype implementation of the oneM2M standard which aggregates collected data, forwards data to the application and mediates instructions to end devices for event-based control. Openness and extensibility provide the foundation for interoperable end-to-end testing and proofs of concept.

M2M/IoT Applications

Monitoring App



Control App



Analytics App



OpenMTC Backend

Connectivity Management

Data Management

Authentication & Authorization

Network

Industrial
OpenMTC Gateway



Energy
OpenMTC Gateway



Smart City
OpenMTC Gateway

