



Link to project website: <https://iorl.5g-ppp.eu/>
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Objective

Wireless networks in buildings suffer from congestion, interference, security and safety concerns, restricted propagation and poor in-door location accuracy.

The Internet of Radio-Light (IoRL) project develops a safer, more secure, customizable and intelligent building network that reliably delivers increased throughput (greater than 10Gbps) from access points pervasively located within buildings, whilst minimizing interference and harmful EM exposure and providing location accuracy of less than 10 cm. It thereby shows how to solve the problem of broadband wireless access in buildings and promotes the establishment of a global standard in ITU.

Project Participants:

Eurescom	Germany
Brunel University London	UK
Cobham Wireless	UK
ISEP	France
MostlyTek Ltd	Israel
Issy Média	France
BRE Group	UK
Fraunhofer Institute for Integrated Circuits IIS	Germany
National Centre for Scientific Research Demokritos	Greece
Viotech	France
Warsaw University of Technology	Poland
Arçelik A.S.	Turkey
RunEL	Israel
Holon Institute of Technology	Israel
Ferrovial sa	Spain
Oledcomm	France
Tsinghua University	China
Leadpcom	China
Shanghai-Feilo/ Yaming	China
Centre for Innovation in Smart Infrastructures (CI3)	Spain

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