

■ POF-ALL

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The objectives of the EC-funded IST project POF-ALL were presented by Luceat S.p.A., Italy, at present the only worldwide manufacturer of transmission devices based on plastic optical fibre (POF).

The POF-ALL demo focuses on three POF-related technologies and an overview of POF-ALL, underscoring the advantages of POF over glass optical fibre (GOF) for short-range data communication.

The POF-ALL demo showcases an innovative digital network based on POF as the transmitting medium & a proprietary protocol to transmit isochronous, real time data. This network is demonstrated with a real-time video surveillance application, though it is suited to factory automation, networking and a range of other uses.

The demo also presents Ethernet transmission over POF, illustrating how easy it is to use POF, while guaranteeing remarkable performances. Applications comprise home networking, industrial LANS and military contexts.

Visitors were able to see devices transmitting real-time video and data over POF, as well as the fibre's mechanical endurance & resilience to shocks and damage in a series of images transmitted via TV and laptop screens.

PARTNER SEARCH: Partnerships to implement expertise in new POF applications. Technological partners & new business clients in Southeast Asia & beyond.

EUSEA2006 EXHIBITION TESTIMONIAL

"Support from the EC was really valuable especially from the perspective of an SME lacking the resources to go to Asia." "We are developing communication solutions & POF-ALL is centred on a new technology for triple play. In my view, it is fundamental to exploit synergies with existing exhibitions & events so as to maximise the number of visitors & potential business contacts. The EU Pavilion within an international fair definitely offers the right opportunities."

Alessandro Nocivelli, CEO, Luceat SpA



Alessandro Nocivelli told CORDIS News that visitors to the stand had been very interested in the technology. He said, "They didn't know [the technology], and we can be very proud that Europe is at the forefront of this technology."

POF-ALL – Paving the Optical Future with Affordable Lightning-fast links

POF-ALL aims to develop a low-cost solution based on POF to make the delivery of broadband access possible to everyone. A careful optimisation of the enabling technologies (components, devices and protocols) forms part of a real-life field test. The solution is targeted at the edge network, which, due to its capillarity, is the most expensive part of the access network & will be tailored to large residential buildings. The technical goal is to build systems based on large core POF, which greatly eases installation compared to standard GOF.

The nine participating organisations are from Germany, Italy and The Netherlands.

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