

LiFi – light fidelity at AES



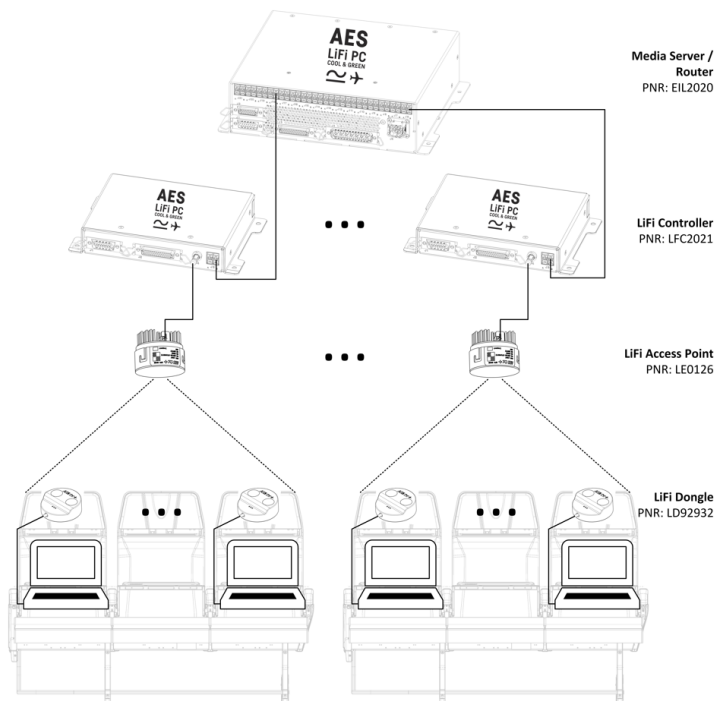
Empowering Communication with Light in Aviation

One of our major R&D topic at AES is LiFi (light fidelity). LiFi is a wireless communication technology with the potential of revolutionising the aviation industry. The technology utilises light waves to transmit data, creating a network of ultra-fast and secure connectivity. LiFi offers enhanced data security by confining signals within designated areas, thus eliminating signal transmission through walls, making it ideal for environments where radio frequency signals are disagreeable.

Our collaborative research projects and affiliation with respected research institutes such as Fraunhofer, along with our close working relationship with Harald Haas (“inventor of LiFi”) have enabled us to explore a diverse range of innovative approaches. Employing over seven years of experience in the field of LiFi, we have implemented function specific solutions ranging from aircraft cabins to cargo areas. Multiple prototypes have been successfully integrated for leading aircraft manufacturers.

Furthermore, we are actively involved in a funded research project called Café Sand goes green, where we are developing an innovative solution with LiFi. A key objective of this project is to enhance Café Sand’s infrastructure by introducing fresh concepts of mobile working empowered by LiFi technology.

LiFi system – Application example



[Download the LE0126_LiFi product flyer here..](#)



[Download the LD92932_LiFi Dongle product flyer here..](#)

 We create solutions.