

Industrial Lighting OEM

Technologies Used:

- EtherNet/IP Adapter Stack (EADK)
- Linux OS
- C/C++ Programming
- EtherNet/IP Protocol

Business Challenge

After realizing customers were passing them by because of their inability to interface with Industrial Networks such as EtherNet/IP, the Industrial Lighting OEM decided to expand their market opportunity. To remain competitive in North America, the OEM found that their lighting system had to include an EtherNet/IP Adapter interface, but they lacked the knowledge, experience and intellectual property to do so.

Solution

Pyramid Solutions' Network Connectivity team worked as a virtual extension of the OEM's Engineering Team. Together, they leveraged Pyramid's [NetStaX EtherNet/IP Adapter Stack \(EADK\)](#) as a key method for enabling EtherNet/IP Adapter functionality into their industrial lighting control software. The Pyramid Solutions team helped the OEM develop the interface between the existing lighting system software and the EtherNet/IP interface (the device profile and application objects that provided access to external EtherNet/IP devices to monitor and control the lighting system). Enabling and interfacing EtherNet/IP for their lighting system was the goal, but Pyramid Solutions also helped the OEM pass ODVA conformance testing the first time through.