

## **Call for experts – mioty & IO-Link cooperation**

### **Description:**

In context of transmitting sensor data from remote and not connected offsite plant locations, the challenges start in connecting this sensor nodes to the plant infrastructure. Here we can make use of long range and low power wireless technologies (LPWAN) to collect the sensor data. Mioty is a new emerging wireless technology for rough environments, which is sophisticated for wireless connectivity in industrial environment and may extend the capabilities of IO-Link. In comparison to IO-Link wireless, mioty is not intended for automation purposes and has a significant smaller payload per time.

Therefore, our aim is to define and investigate the opportunities and challenges when combining mioty with IO-Link. The task of this group is to identify work packages for the cooperation of both groups.

### **Update June 2025:**

**After signing the cooperation contract between IO-Link community and mioty alliance, the working group can now operate effectively to create the base for this new technology integration.**

The working group will work on the “IO-Link mioty System Extension” specification to enable IO-Link Application Layer communication over the mioty Phy- and May-Layer defined in ETSI TS103 357. Additionally, the working group will adapt the IODD for the use with the mioty communication protocol.

All interested member companies are invited to join this workgroup. Please sign in if you are interested via email to [josef.bernhard@mioty-alliance.com](mailto:josef.bernhard@mioty-alliance.com), [alexander.kahlig@ifm.com](mailto:alexander.kahlig@ifm.com) and [joachim.uffelmann@ifm.com](mailto:joachim.uffelmann@ifm.com)