LYNGSOE EDECS

EDECS IS AN ON DEVICE EDGE-BASED SOFTWARE COMPONENT FOR CLEANSING AND BUFFERING LOW LEVEL DATA.

EDECS runs on LS6120 RTLS Readers. EDECS is part of the RTLS Platform Data Engine and consists of the following services:

DATA COLLECTION

The simplest service in EDECS is collecting all data read by the device running EDECS. Data is collected and time stamped without adding any other enrichment logic to it.

LOW LEVEL FILTERING

Sensors, whether it is RFID, BLE, etc., are typically read multiple times when in the read-zone of the reading device. This service provides a tag filtering function on each reader that ensures only one tag read is used and not the multiple reads that are actually detected.

DIRECTIONALITY

Assets move through logistic choke-points such as doorways in/out of defined areas. The directionality service determines which direction an asset travelled through a choke-point covered by the reader device running EDECS.

DATA BUFFERING

Where data network connections like LAN, WiFi or LTE are unstable or off line, EDECS buffers data to ensure no tag data is lost even if the communication connection is down. EDECS holds data until a secure connection has been re-established.

DATA CONNECTION

EDECS connects to on-premise or cloud deployments of the RTLS Platform Data Engine or the X-Tracking DC Engine. EDECS connects to the RTLS Platform Device Engine at Lyngsoe Systems cloud through secure data connections.

BENEFITS

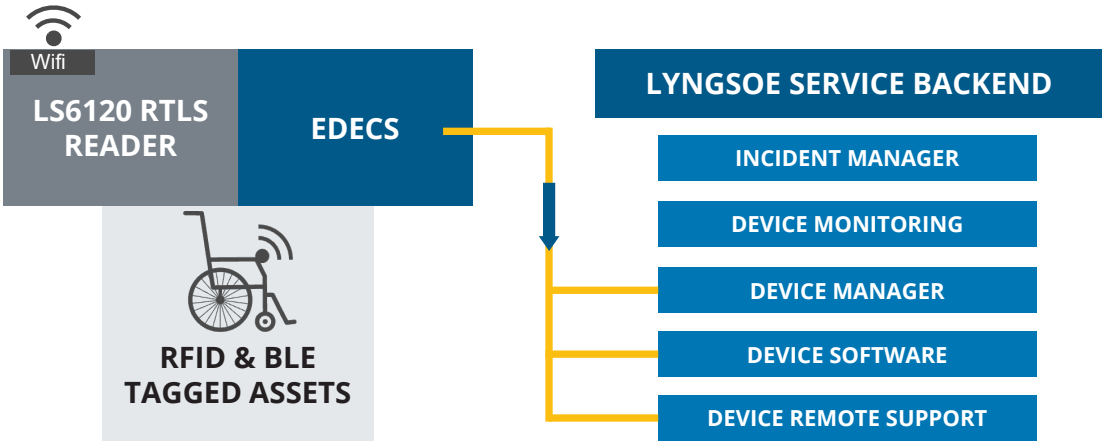
- Determines direction through a chokepoint
- No loss of data
- Efficient data capture and delivery

SPECIFICATIONS

EDECS software is monitored through a Device Engine - Monitoring Service to maintain uptime of devices. The service is based and measured against a database with preset metrics and tresholds. Analysis is performed automatically and warnings generated when results deviate from expected performance. Faults are displayed and reported through the monitoring service.

EDECS software updates are distributed to devices through a Device Engine - Release Management Service. This service allows customers to select devices that need to be updated with deployment plans with unique release dates based on a priority queue. The Release Management Service then automatically manages distribution of the installation packages to the devices in a fully controlled process.

EDECS SERVICE BACKEND CONNECTIONS



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