Electronic Systems
mbs

Be compliant to latest cyber security regulations & overcome physical media constraints in data loading

PDL Adapter

- Generic 1 for 1 replacement for ADL/MDDU
- Enables aircraft to be loaded with any ARINC compatible PDL
- Comes with:
  - EASA Form One
  - EASA Minor Change Approval
  - Approval according to FAA regulations
  - Engineering Order
  - Approved Model List
  - CMM
- Quick installation during line maintenance
- Already certified, installed and in service on:
  A318, A319, A320, A321, A330, A340, B717, B737, B747, B757, B767 MD11
- Certification for any other aircraft type upon request
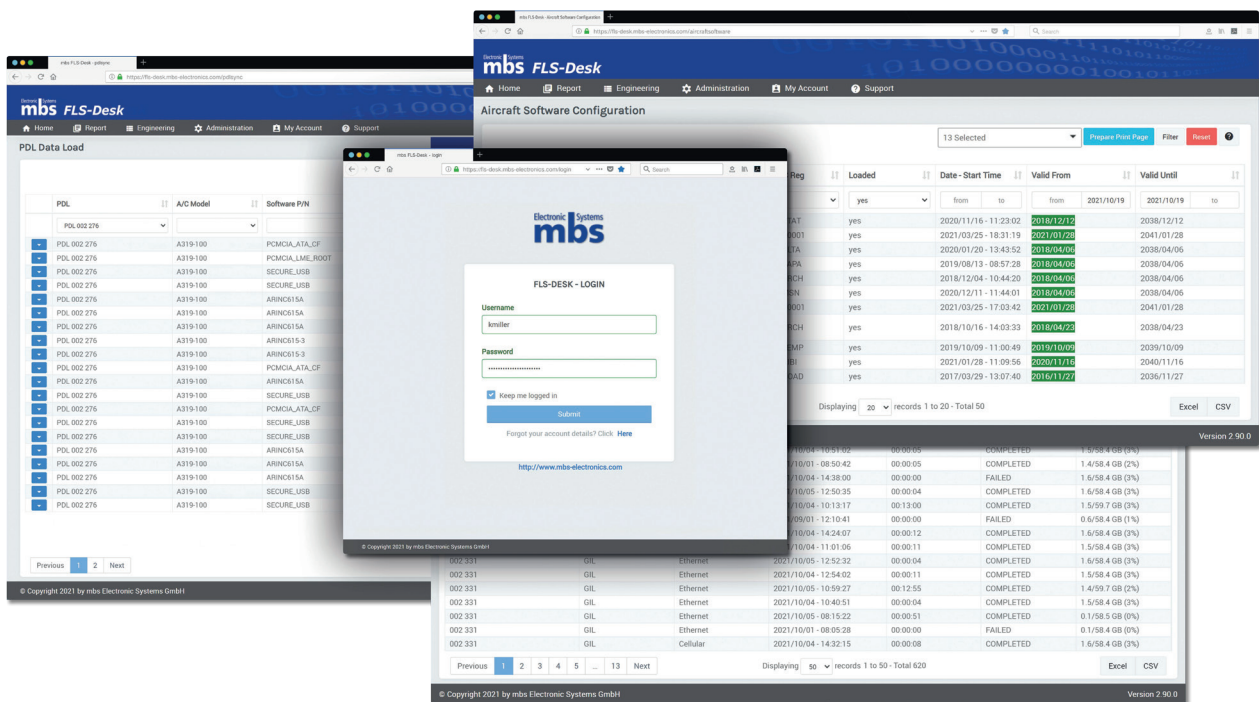- Already flying on more than 2300 aircraft world wide

mini PDL-Pad

- ARINC 645-1 compliant, self-contained, small lightweight Portable Data Loader (PDL)
- Supports ARINC 429, ARINC 615, ARINC 615A, secure USB emulator, PCMCIA and Compact Flash emulators
- AFDX functionality coming soon
- Public Key Infrastructure functionality, supporting Boeing, Airbus and Carillon ARINC 835 signed software parts
- Support of Airbus ARINC 641 formatted media sets
- Supports engine data acquisition and data loading
- Compatible with any Airbus and Boeing aircraft
- Built-in cellular, Wi-Fi, LAN (gigabit) connectivity
- Supports wireless and physical media free LSAP distribution
- Supports data load from external USB drive or internal repository
- Works stand-alone or integrated in MRO systems FLS-Desk
- Built-in USB emulator supports EFB, IFE and MAT systems
- Engine data acquisition e.g. LEAP Continuous Engine Operational Data (CEOD)
- Availability of direct connection to CFM Cloud for analytics
- Engine software data loading e.g. FADEC, EEC

FLS-Desk

- Secure web based "Field Loadable Software" management tool
- Public Key Infrastructure functionality, powered by Carillon
- Remote, very easy administration and monitoring of data load processes
- Manages any Field Loadable Software (e.g. ARINC 665 media sets, ARINC 827 Carillon and Boeing Crates, Airbus ARINC 641 formatted media sets)
- Handles all aircraft types
- Remote software update & support for *mini* PDL-Pads
- Automatic updating aircraft software configuration report
- Provides current and historic aircraft software configuration report for each tailsign Unlimited user capability
- Access control by roles (Administrator, Engineer & Electrician)
- Automatic distribution of FLS to Portable Data Loaders „over the air", or via Ethernet
- Notifications to monitor data loads
- Notifications to monitor synchronisation between *mini* PDL-Pad & FLS-Desk

mbs Electronic Systems GmbH
Friedrichshafener Straße 3 | 82205 Gilching
Tel.: +49 (0) 8105/ 7756900
info@mbs-electronics.com | www.mbs-electronics.com