TEGO

Powering Assets with Intelligence

Enhanced Equipment Servicing Based on Flyable Parts

ATA eBusiness Forum – October 2015

Su Ahmad, Customer Specialist
Tego, Inc.

Acknowledgment to B/E Aerospace

Tego appreciates the strong partnership and involvement of B/E Aerospace in jointly pioneering the concepts in the developments shown in the following presentation.

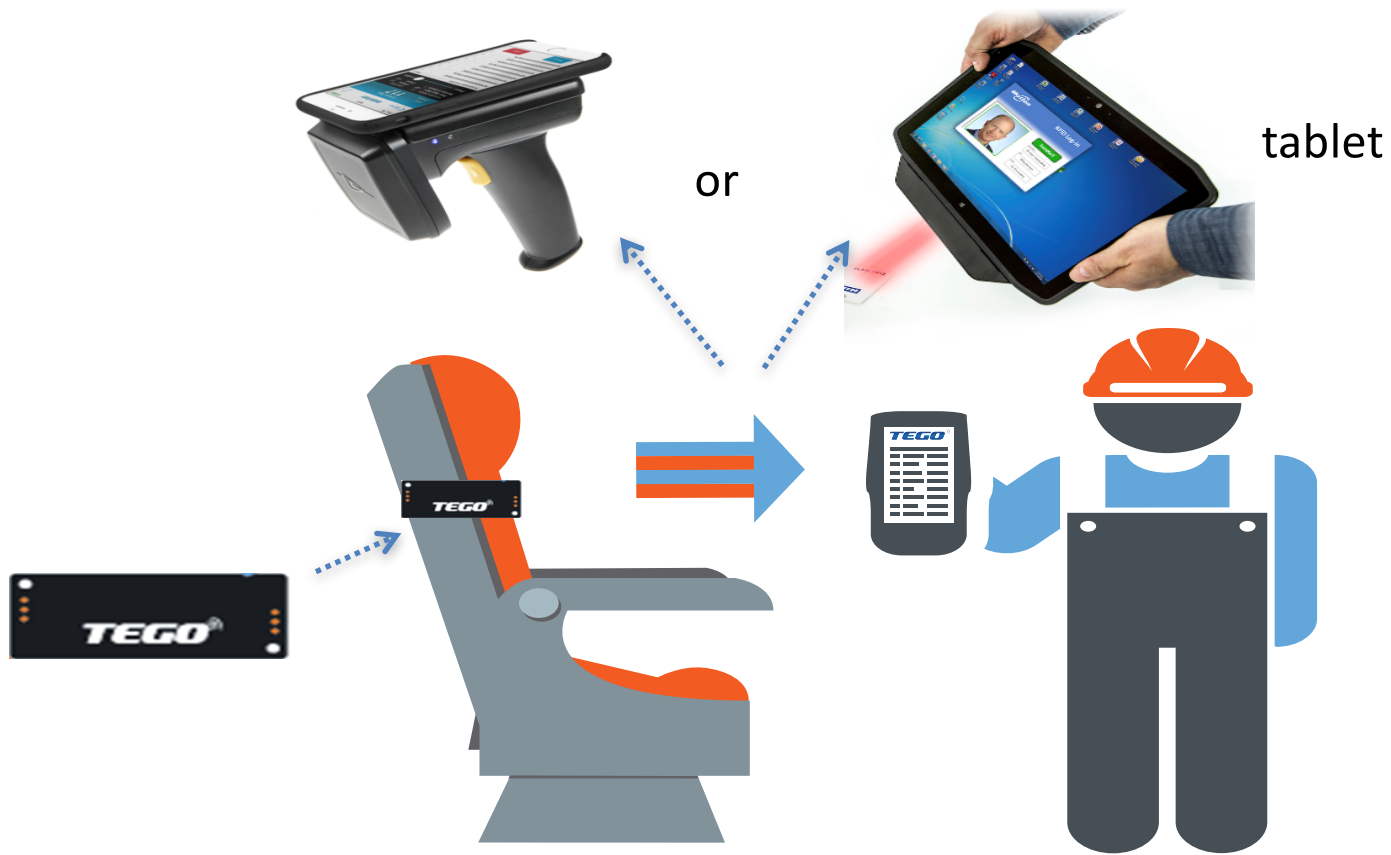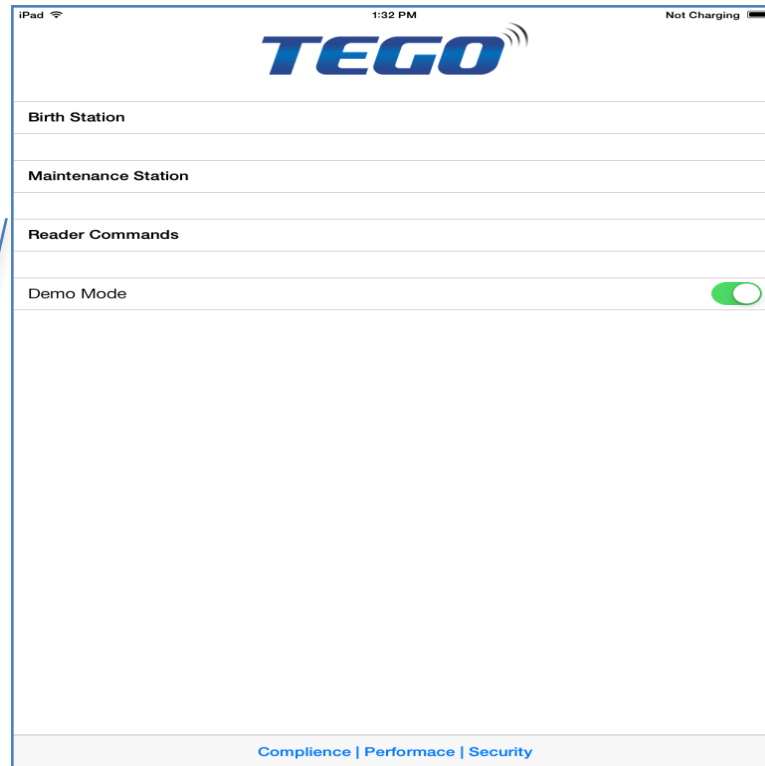# Thousands of Airplane Parts are now 'smart' with information

During maintenance activity, worker reads data embedded on seat …

During maintenance activity, worker reads data embedded on seat ...

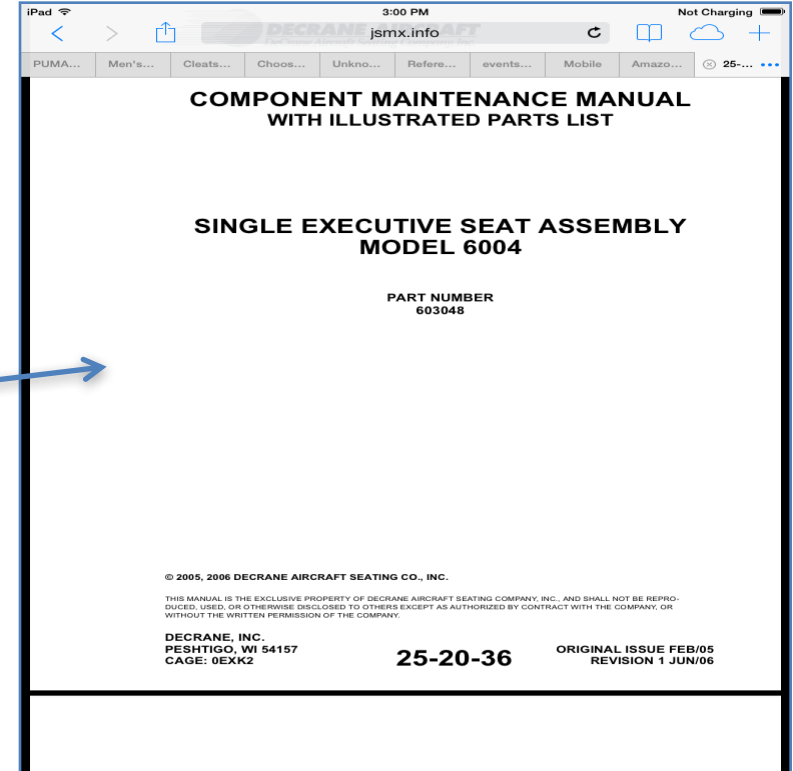
or

tablet

Launch app for reading data wirelessly from the seat

Airplane seat has MFR, PNO, SER, DMF …
All data was encoded during OEM's manufacturing

iPad 🔋   1:33 PM   Not Charging

❮ Birth Station   **B/E-SPG SER CMM**

92801
Manufacturer CAGE code (MFR)   ⓘ ❯

TST147
Spec2000 Unique Serial # (SER)   ⓘ ❯

87947201DC01
Original Part Number (PNO)   ⓘ ❯

1
UID Construct Indicator (UIC)   ⓘ ❯

PASSENGER_SEAT_ASSEMBLY
Part Description (PDT)   ⓘ ❯

20141204
Manufacture date (yyyyMMdd) (DMF)   ⓘ ❯

940110
International Commodity Code (ICC)   ⓘ ❯

129.6
Original Manufacture Weight (WGT)   ⓘ ❯

LB
Unit of Measure (UNT)   ⓘ ❯

1
Life Limited Equipment Indicator (LLE)   ⓘ ❯

25-23-51-3729
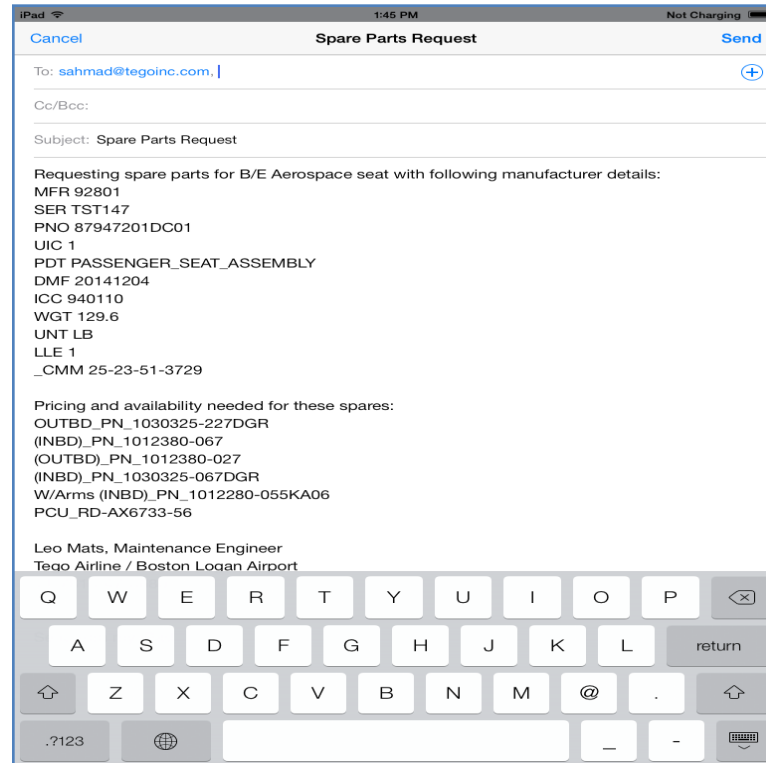Component Maintenance Manuals (_CMM)   ⓘ ❯

Scan   Lookup   Write   Test   Clear

So now we can reference, for example, full CMM …

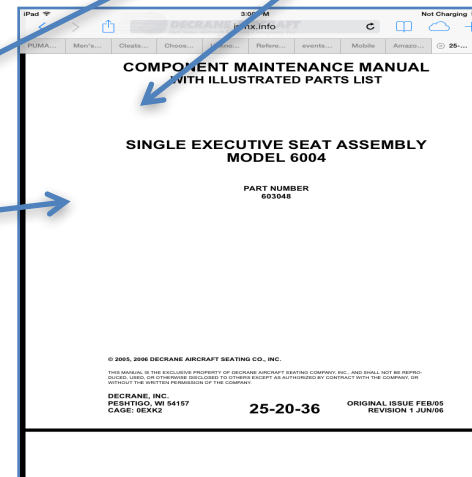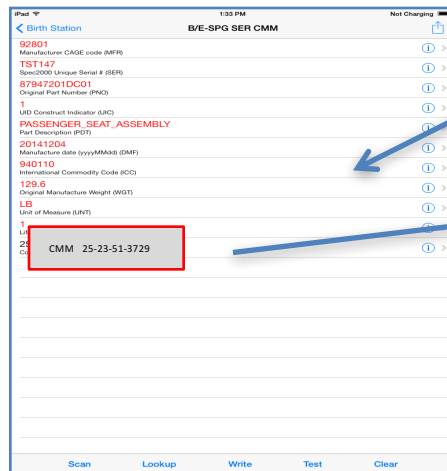# …..or access full list of all related Spare Parts, and …

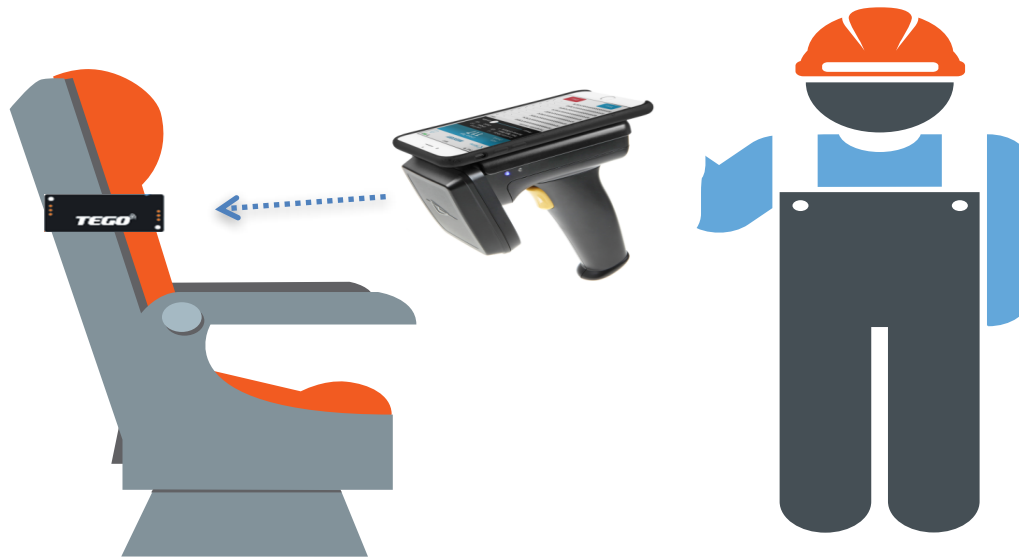# … send email, incl. exact part details from the seat needing maintenance

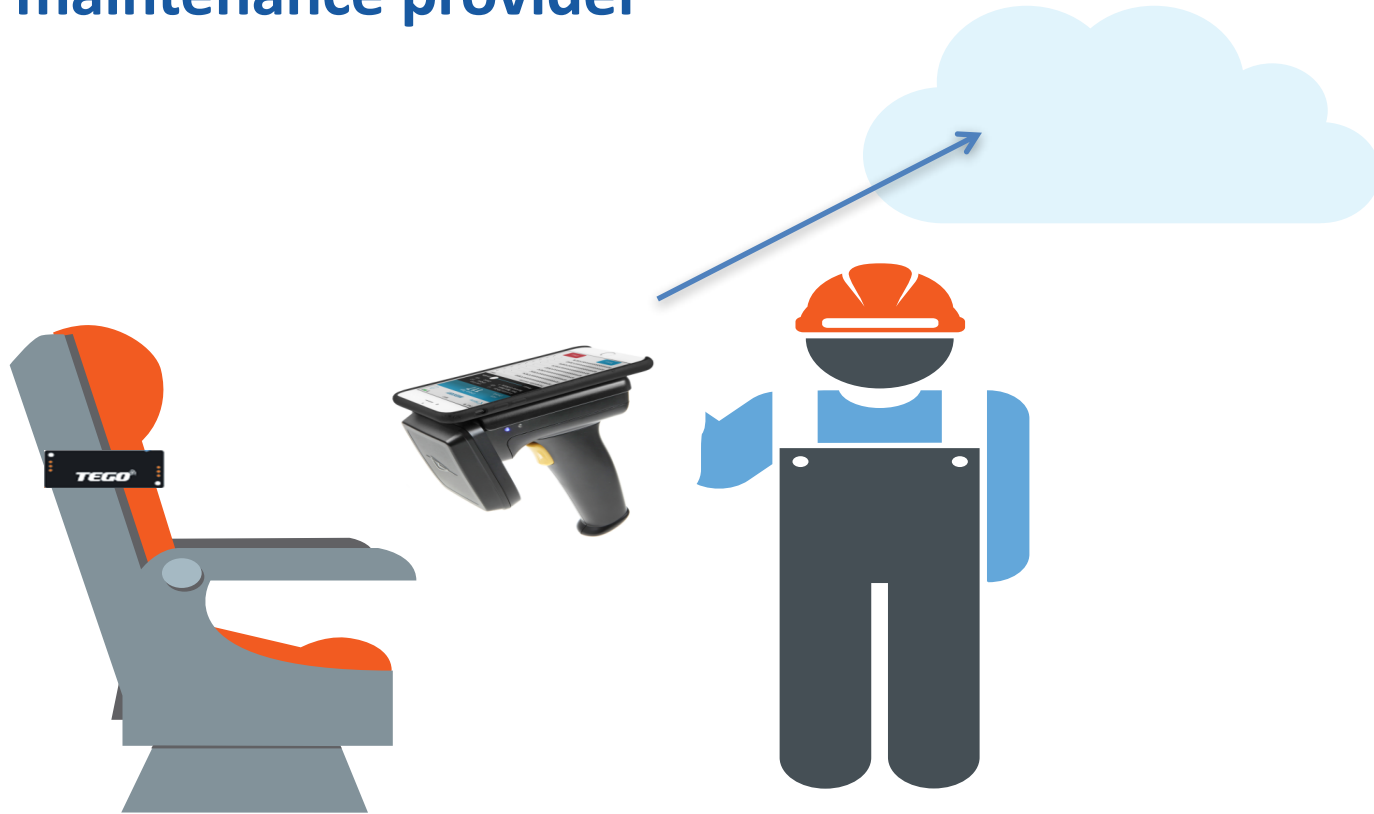# Supplier gets email for spare parts and/or service
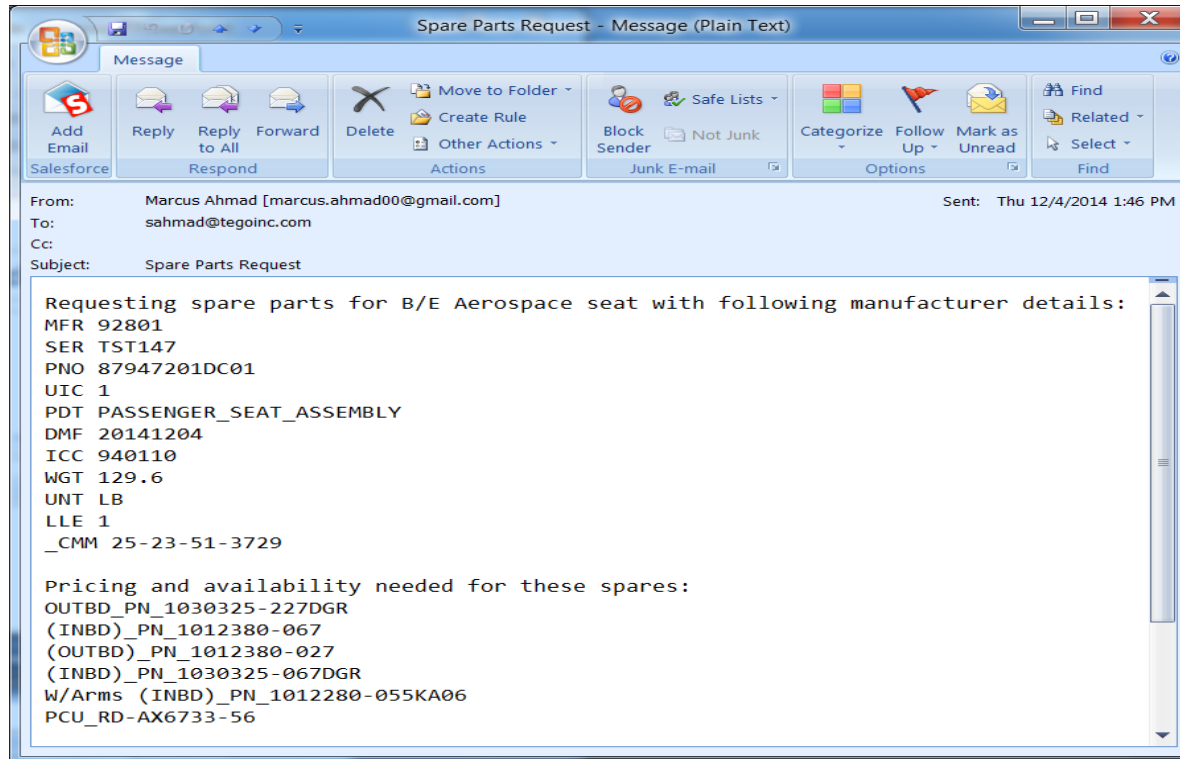
Parts list, software revisions and CMM Manual can be distributed/updated through the Cloud

When maintenance activity completed, write Part History Record update to airplane seat ...

... and have its log history shared in the cloud with the part owner or maintenance provider

This only the beginning…

- There is a whole world of additional enhancements emerging:
  - work processes
  - data services

- Another name for this in the broader context is..Internet of Things!