

# IATA MRO SMARTDOCS

SETTING NEW STANDARDS FOR

AIRCRAFT DOCUMENTATION



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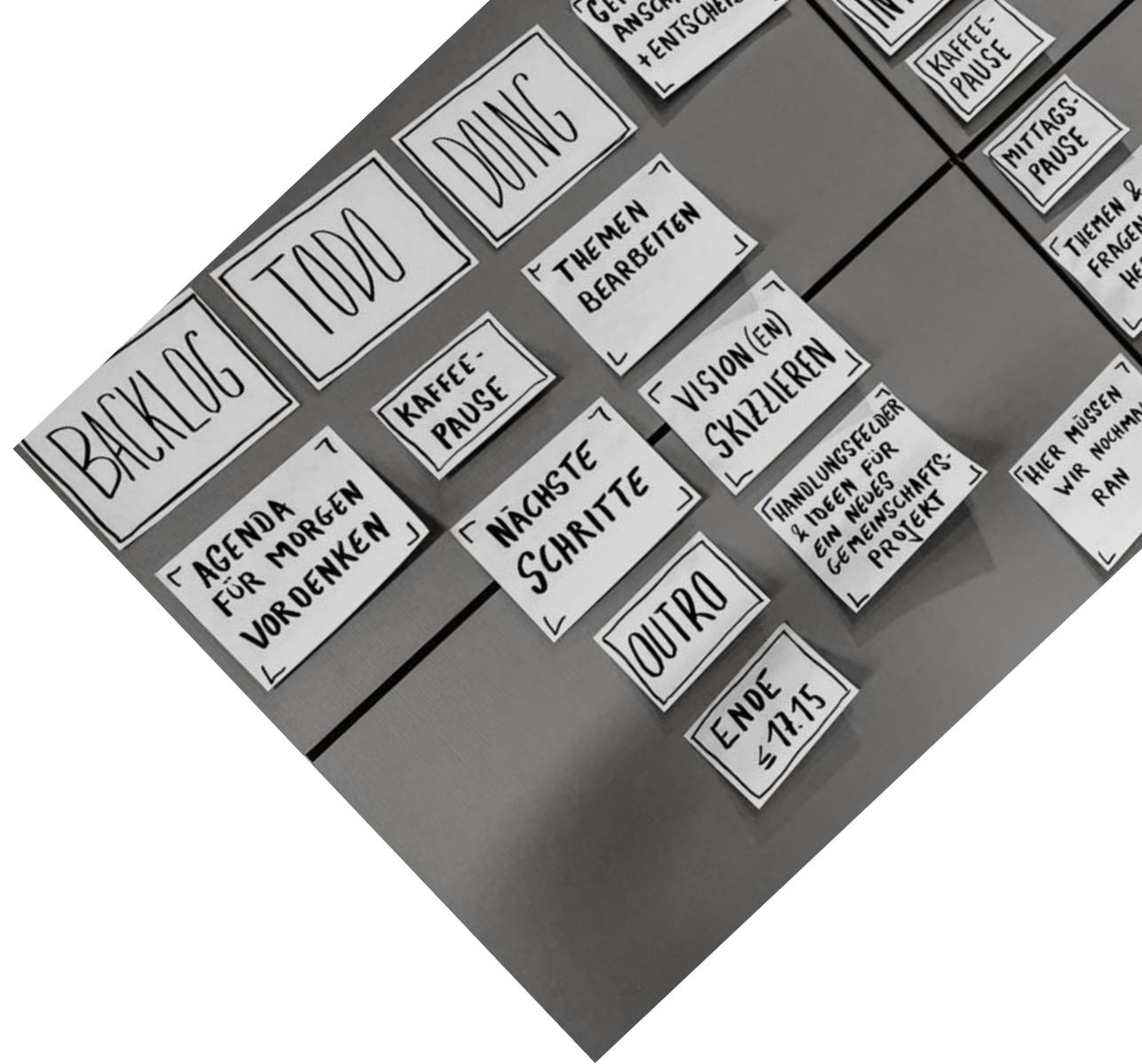
6 October 2022,  
Geneva



MRO SmartHub

# Agenda

1. What are the challenges?
2. How to meet these challenges?
3. What is MRO SmartDocs?
4. Vision and solution outlook



References impossible to validate



30 year old documents

# Challenge: Validation

- Requirements for a digital solution:
  - Automated and seamless validation
  - Persistence of documents

**AUTHORIZED RELEASE CERTIFICATE**  
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Approving Civil Aviation Authority/Country: **FAA/United States**

2. Form Tracking Number: (Unique alphanumeric sequence for tracking reference)

3. Organization Name and Address: (DBA Name, Physical Street Address, (P/N certificate or Project Number, if applicable))

4. Work Order/Contract/Invoice Number: (each order # if of attachments)

Item:	Description:	Part Number:	Quantity:	Serial Number:	Status/Work:
(# ex:002)	(Descriptive product name) or "N/A"	(Each part number or model designation)	(# of parts)	(N/A CFR Required # or #%) or (N/A)	NEW, PROTOTYPE, REPAIRED or OVERHAULED

12. Remarks: (All information needed to certify airworthiness and cross-reference to each line listed in block 6)

13a. Certifies the items identified above were manufactured in conformity to:
 

- Approved design data and are in a condition for safe operation.
- Non-approved design data specified in Block 12.

13b. Authorized Signature: (Signature)

13c. Approval/Authorization No.: (Track serial)

13d. Name (Typed or Printed): (Signer's Name)

13e. Date (dd/mm/yyyy): (ex: 06/OCT/2020)

14a. Authorized Signature: (Signature)

14b. Approval/Authorization No.:

14c. Name (Typed or Printed):

14d. Date (dd/mm/yyyy):

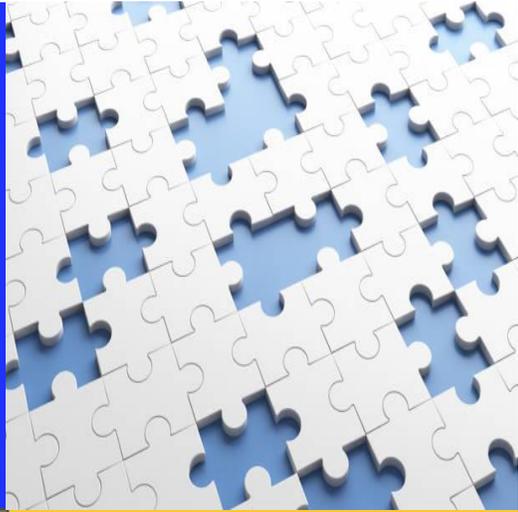
14e. Remarks: (Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.)

15. User/Installer Responsibilities: (It is important to understand that the **presence of this document does not automatically confer authority to install the aircraft engine/procedure/airframe**...)

Expert knowledge required



Impossible  
manual work  
load



Only a  
fraction of  
interest

## Challenge: Efficiency

- Requirements for a digital solution:
  - Automated full digitalization
  - Automated assignment

Current  
digital and  
physical  
content do  
not match



Paper is patient



Checks mostly at incident

## Challenge: Fraud

- Requirements for a digital solution:
  - Tamper-proof storage

**Fraud**

Extreme earnings with fraud



Back-to-birth  
parts mostly  
bought from  
OEM



Different  
regulations in  
different  
countries

## Challenge: Market

- Requirements for a digital solution:
  - User friendly
  - Intuitive visual presentation
  - Adaptable to local/regional regulations

Procurement  
invents new  
requirements



# Requirements

- Automated and seamless validation
- Persistence of documents
- Automated full digitalization
- Automated assignment
- Tamper-proof storage
- User friendly
- Intuitive visual presentation
- Adaptable to local/regional regulations
- Low cost
- Logistics
- Confidentiality

# How do we meet these requirements?

Automated and seamless validation

User friendly

Intuitive visual presentation

Adaptable to local/regional regulations

**BUSINESS**

Automated full digitization

-

OCR is simply not enough

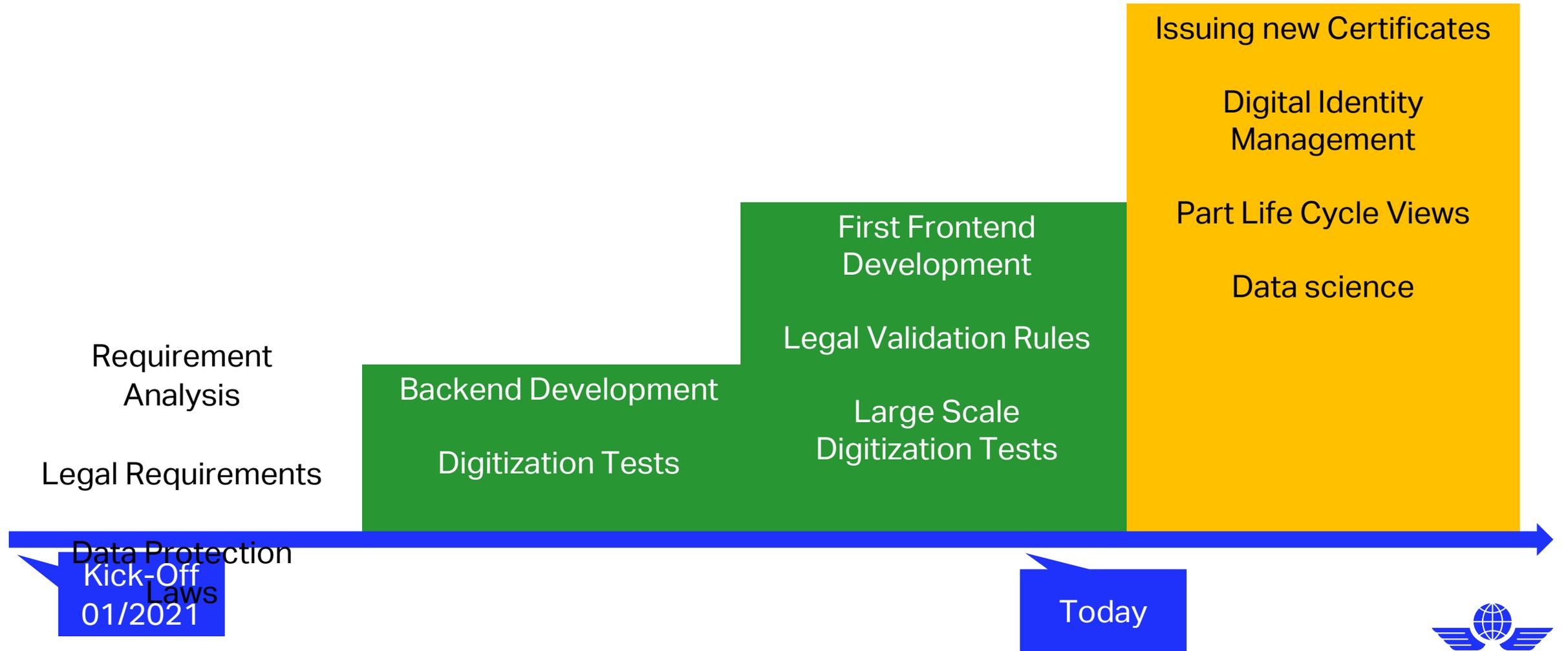
Persistence of documents

Automated assignment

Tamper-proof storage

**IT**

# SmartDocs Development



# Vision: Example A/C lease back

**TODAY**



**VISION**





**AMETEK® MRO** **EFW**  
A company of ST Engineering and Airbus

**IATA MRO SmartHub**  
**Auction News**  
**AMETEK & EFW parts auctions**

05 Oct 2022 - 12 Oct 2022

Register and bid for free: [www.mrosmarthub.iata.org/registration](http://www.mrosmarthub.iata.org/registration)



**CONNECTOR**  
**AIRLINE CAMPAIGN**  
**2022**



**MRO SmartHub**

Free access to Connector for all  
airlines until the end of March 2023

Visit the campaign page: [www.iata.org/mro-smarthub](http://www.iata.org/mro-smarthub)



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