

Development of Digital Learning & Training Solutions

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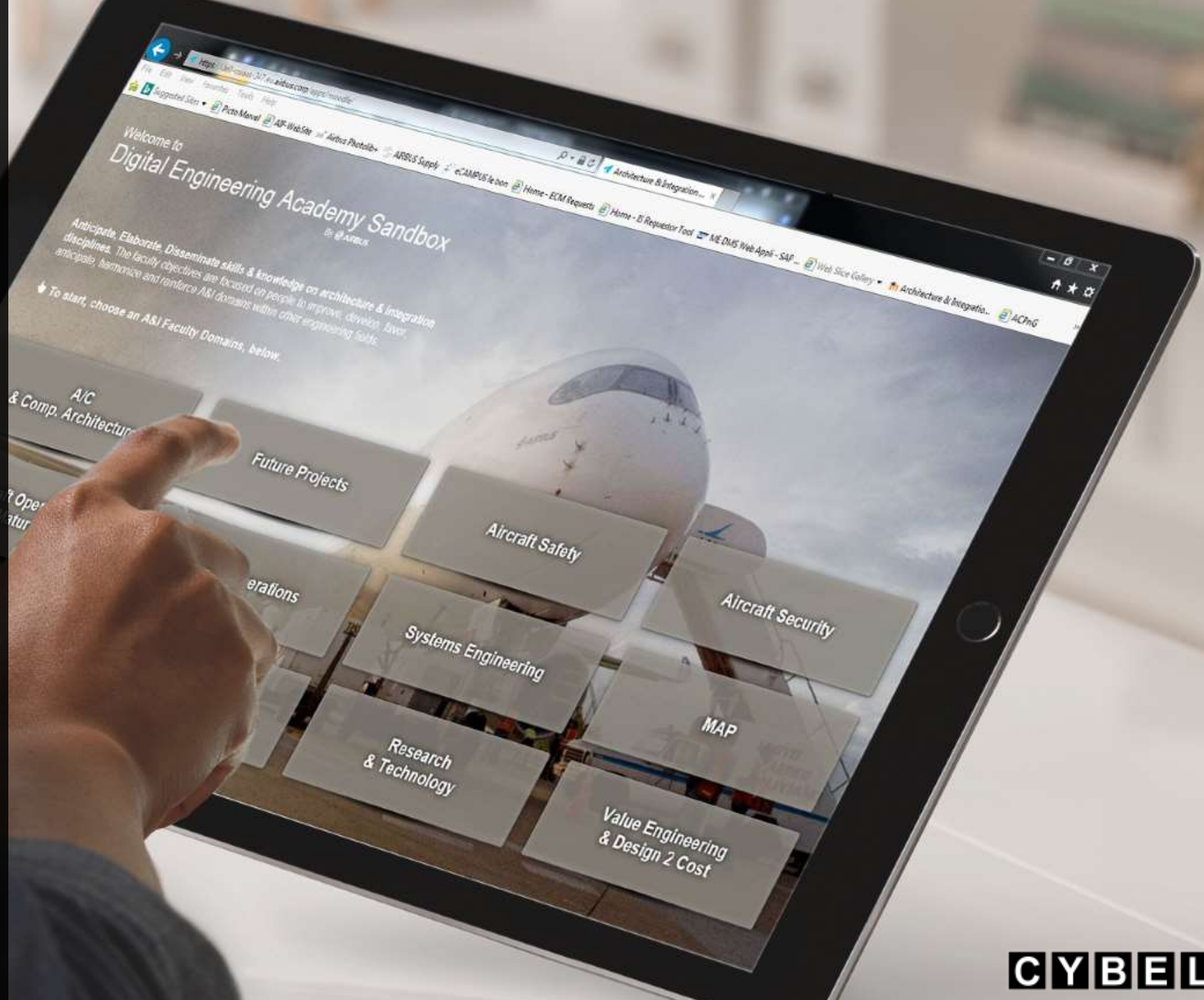
Headed by Gérard CHEVALIER

Created in 1975

ISO91001-2000 Certified

3 agencies: Paris, Toulouse, Marseille

- Knowledge Management Specialist
- Knowledge and know-how capitalization
- Digital Learning and Knowledge database development
- Serious Game development
- Community of Practice Animations
- Learning platform based on collaborative work.



Airbus partner for more than 20 years

Cybel is supporting Airbus in the development of digital learning and training solutions. The main domains addressed are Engineering and Manufacturing.

- More than 300 e-learnings
 - ABP Processes
 - Airbus skills & competences
 - Airbus Tools
 - Aeronautical fundamentals
 - ...

Systems Engineering, Design to cost, PDP, DOA, OAPD, Efficient Collaboration, Human Factors, Industrialize an external WP, Industrial Qualification, MIRA, Additive Manufacturing, Build Process, Industrial Architecture ...



Foundations

E-learning

Acquire knowledge on fundamentals

- Customized pedagogical paths
- Overall vision of the structure from the menu
- Interactive menu to facilitate the navigation
- Several reading levels for quick learning
- Easy to review



The screenshot shows the Airbus DOA e-learning course interface. At the top, the Airbus logo is on the left, and navigation icons (volume, A-Z, search, and home) are on the right. Below the logo, there are images of an Airbus A320neo aircraft, the DOA logo (a blue square with a yellow bird and stars), and a helicopter. The main content area has a white background with a blue header. It contains a list of course topics with icons: a person for 'All Airbus and DOA supplier staff, including stakeholders in Airbus Design, Certification & In-Service Support activities', a target for 'Understand the basics of the Design Organization Approval and its implementation at Airbus', and a clock for '≈ 50 minutes'. The title 'Design Organization Approval' is prominently displayed, with 'Awareness' in smaller text below it. At the bottom right, there is a 'Start the course' button with a right arrow icon.



Tool based e-learning

Perform an operation in simulated environment to learn and practice before real conditions.

For Shop-floor, Industrial or engineering activities:

- Watch is not enough to practice for complex tasks
- Do the task in simulated environment is far better.

Optimized development & maintenance:

- Easy to capture and customize even when the final tool version is not ready
- Update only focused on changes
- Focused on operational context (not only functional).



Process based E-learning

Learn the basics of a business process from an overall vision to a detailed steps explanation:

- Business context
- Main roles
- Steps sequences
- Who does what
- Inputs / Outputs
- Means
- Activity description
- Warnings & recommendations



They are complementary to tool based e-learning.

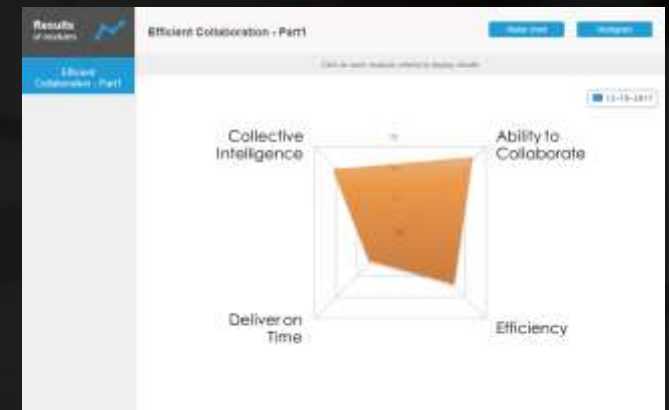
Serious Games

ITycom authoring

- Face typical professional situations
- Make decisions to progress
- Build your experience
- Discover your ability from pedagogical criteria analysis
- Improve your well-being competences

Generic approach to develop learning games based on ITycom authoring platform:

- large set of templates & characters
- Easy to develop.



Passport

Optimize prerequisite

Take into account trainees knowledge to focus on what they need.

Used as prerequisite the Passport guarantees a relevant level of knowledge of an audience.

Principle: You evaluate your knowledge doing some evaluation tests. If you pass your passport is validated.

If you fail, you have to do the corresponding training chapter in order to reattempt the test.

Dual Approach

e-learnings

Choose the way you want to learn:

- I don't know anything and choose to start from scratch
- I'm quite confident and go straight to the exercises.



Website & Teaser

development

Cybel can develop a set of communication tools around the training context including advanced functionalities:

- Choose competences or trainings using shopping cart principle.
- Bring overall vision and understanding
- Share your vision
- Request support
- Access to other tools to go further
- ...



Engineering Competence Strategy Teaser

Engineering Competence Strategy

the Future of Airbus starts now



What is the topic of your interest?



Additive Layer Manufacturing

Materials

Passive or active flow control

communication/connectivity
data network

Electrical / Hybrid propulsion

Tap to select a topic

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LMS platform

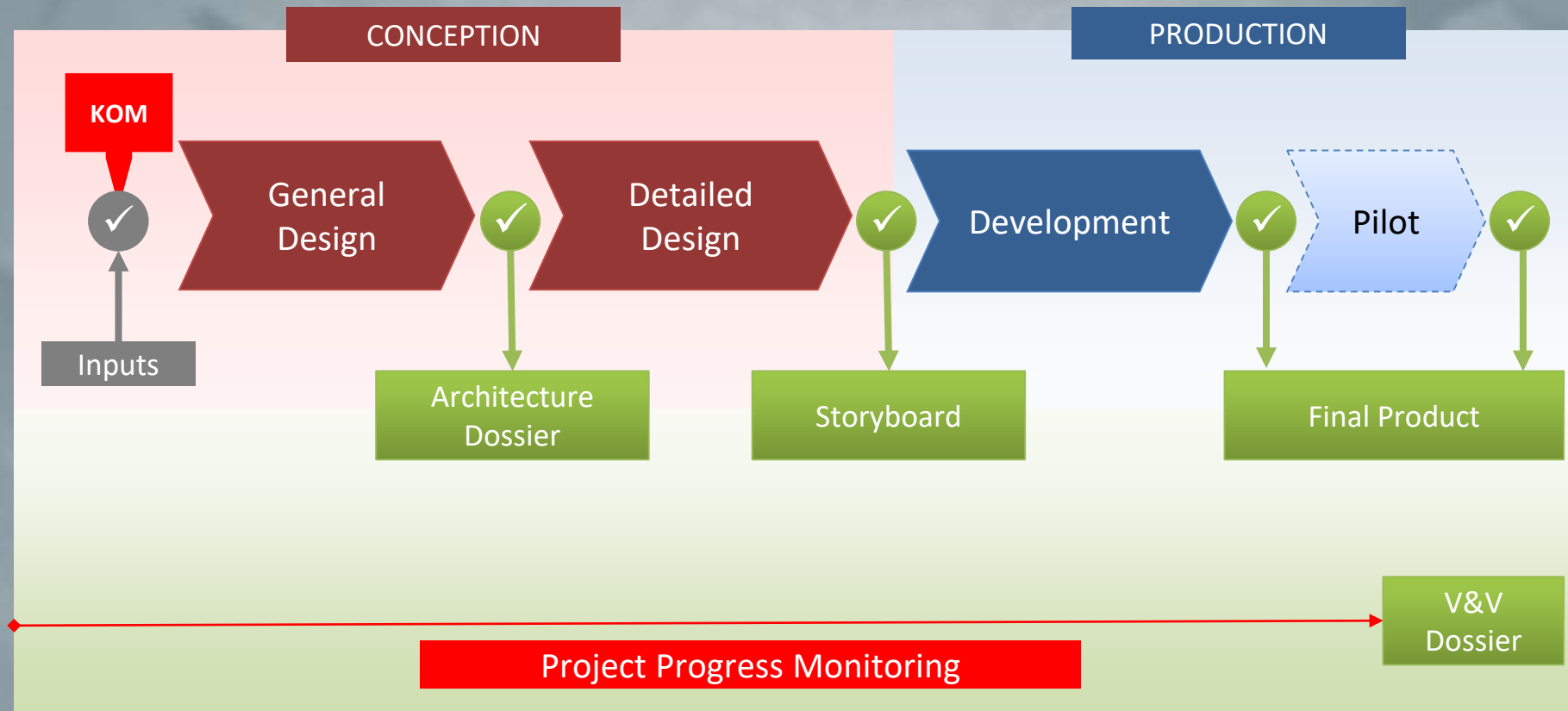
activities

To improve training efficiency, Cybel can support by offering and managing additional learning activities using the LMS advanced features:

- Workshops
- Assignments
- Forums
- Quiz
- Survey
- Database
- ...



Development Process



Architecture Dossier:

- Detailed objectives/ Audience
- Pedagogical Approach
- Course structure
- Specific functions
- Look and feel
- Demonstrator (when needed)

Storyboard:

- Content capture text and audio
- Slides scenario and interactions
- Media creation definition
- Exercise definition and associated analysis
- Baseline for translation activities

Final Product:

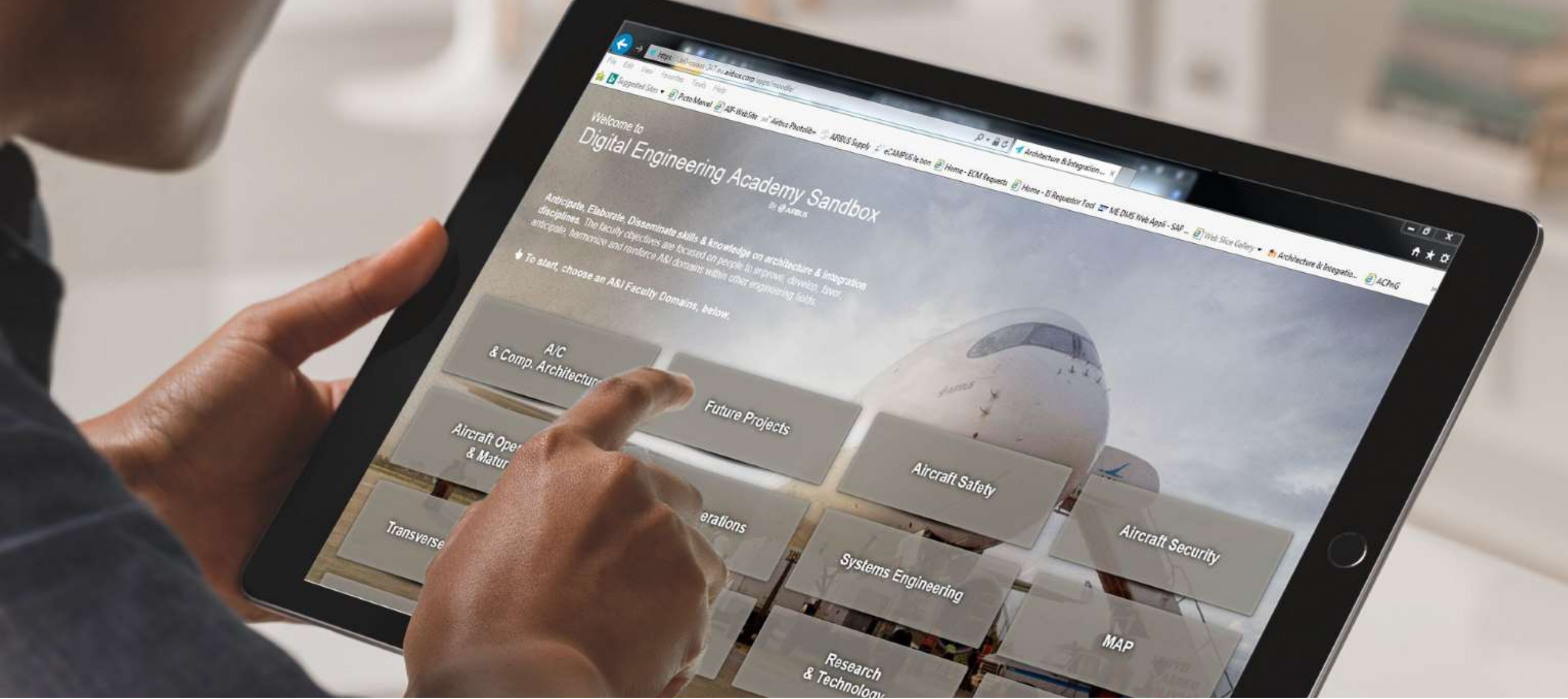
- Html5 for new development
- Adobe Flash for legacy
- Scorm / Web / Standalone
- Authoring: Lectora

V&V Dossier:

- Attest the Final Product covers the customers requirements:
 - From business (Content)
 - From HR(quality)

Illustrations





Thank You