

Take to the skies

with aerospace's most extensive specialist

Expleo has the advanced engineering, technology and consulting application expertise to design and implement bespoke solutions that yield greater competitive advantage – from niche areas to the broader aerospace picture.

Leveraging specialisms from across aerospace and across needs, our range of solutions are developed for your long-term success – from overall Business Transformation to Engineering and Operational Excellence, In-service Support and After Sales solutions.

TAKE FLIGHT



BACK ←

Specialism, From design to modification

From engineering and operational excellence to managing in-service and after sales needs, Expleo's solutions and expertise help you achieve successful outcomes for your aerospace projects, quickly and efficiently.

Business transformation

EXPLORE SOLUTIONS →

Engineering excellence

EXPLORE SOLUTIONS →

Operational excellence

EXPLORE SOLUTIONS →

In-service & after sales

EXPLORE SOLUTIONS →

BACK ←

Business transformation at every level

Be more efficient in responding to macroeconomic shifts and radically change the way you do business to build the aircraft of tomorrow with our business transformation solutions.

The breadth and depth of our cross-functional aerospace and consultancy offering span a huge portfolio of end-to-end solutions to cover all stages of aircraft design and the digital application of technologies – from industry 4.0 to better management of suppliers for boosting productivity, quality, and more.

Our team can help with:



Innovation management
and solutions



Transformation consultancy



Digital transformation

EXPLORE PORTFOLIO FURTHER →

BACK ←

Engineering excellence from start to finish

Design lighter, faster, more efficient aircraft with our bespoke engineering solutions.

Optimise concept design. Reduce manufacturing-stage issues at the outset. Shorten certification times. Our proven aerospace experience, technology-focused approach and niche technical skills help you deliver projects on-time, on-budget and with quality.

How our engineering team can help you build better aircraft:



Optimise your aerostructure: from increased performance to sustainability targets



Electrify your aircraft



Next generation avionics and embedded systems

DIVE INTO CLIENT STORIES →

BACK ←

Operational excellence across aerospace

Improve your manufacturing processes to reduce cost, shorten lead times and lower non-conformities.

Access wider expertise in smart manufacturing engineering to identify new assembly line efficiencies that speed up time to market and control costs. Apply the latest modelling, simulation and virtual testing techniques to fully optimise your systems and accelerate project timescales.

DIVE INTO CLIENT STORIES →

How our operational team can help increase your manufacturing efficiency:



Data driven factory to reduce non-conformities



Optimise your process and facility layout with Digital Twin



Implement industry 4.0 / smart manufacturing



Assembly line continuous improvement

BACK ←

Extending the life of your builds

Enhance the performance of your in-service aircraft with predictive and manufacturing maintenance. Re-use aircraft effectively with expert modification and certification solutions.

Our proven tools and processes analyse the data of working aircraft to predict issues, lower overall maintenance costs and ensure sustainability and environmental performance. Modify your aircraft more efficiently, whether for change-of-use or to update older aircraft.

DIVE INTO CLIENT STORIES →

How our team support your in-service needs:



Aircraft cabin refurbishment and DOA/POA/Part 125 certified



Airworthiness management



Maintenance engineering



Predictive maintenance

BACK ←

Case studies

Business transformation



[expleo]



DEFENCE

**Significant time saving in
accelerated tool configuration from
8 weeks to 8 days.**



Case Study

Reducing delivery time by 3 years through agile ways of working

Bold ambitions

Delivery dates for a complex 10-year armed forces and navy programme needed to be brought forward by three years in order to meet active use requirements.

The client was already using scrum masters to lead their projects but wanted to know how to make this more effective and understand what else could be done.

Reliable solutions

Expleo is providing expert coaching and delivery services at the enterprise and team level of this large programme. This includes exploring the benefits of a 'fail fast and evolve rapidly' mentality and taking synergies from other markets to treat product design as a revolutionary event, rather than an evolutionary one, to accelerate outcomes.

Delivery services include the set-up of JIRA to optimise agile methodologies, and interface work into other planning tools.

Client benefits

Expleo's Ways of Working pilot is already delivering tangible benefits to this defence programme, including accelerated tool configuration from eight weeks to eight days.

A recommendation to reorganise the entire programme to agile teams - from the current set-up of functions groups - underpins the new best plan and successful earlier project delivery.



AEROSPACE

11

softwares mapped and their data dependency identified



Case Study

Building a Compliance Analytics All-in-One technology solution

Bold ambitions

- One of the world-leading helicopter manufacturers was looking to build a successful compliance analytics program for export control regulations.
- Export control regulations restrict the release of crucial technologies, information, and/or services to foreign nationals. Our client's products are in service across more than 150 countries worldwide, for civil, government, military, law enforcement and parapublic uses.
- Drowning in a sea of information, the company wants to leverage a technology solution to ensure which components and which documents are affected by the regulations.

Reliable solutions

Combining our expertise in data governance, business analysis and our know-how in the Aerospace industry, Expleo delivered:

- Compliance audit
The mapping and classification of current processes & tools across the company (Skywise, SAP, NECTAR, CADENAs), data exchanges between the tools, data silos and user access rights.
- Compliance Analytics Engine - Technical specs & testing
Understand the functional need of the stakeholders/end users and provide the specs to the IT team
- Change management

Client benefits

- An All-in-One compliance analytics technology solution, gathering data across the company: the users input the information (as part serial number and the configuration of the helicopters), and the engine will check the authorisation automatically.
- Achieve analysis of a Big Data platform (Skywise) business rules with software reverse engineering and provide valuable KPIs to improve the department's compliance practice.
- Roadmap for RPA (Robotic Process Automation)



DEFENCE

Up to

1 M€

of cost-saving in a single feature development



Case Study

Accelerate complex system development with a Model Based Design approach

Bold ambitions

Our client is a leading European land defence company, developing an extensive range of products such as armoured vehicles, artillery, weapons and turrets.

With their traditional design process, each product has its own embedded system development team and methods for the same feature (ex: weapon position control); and it is tightly associated with the Text-Based Design approach where all the textual requirements are manually coded, inspected, and tested on a real embedded system, leading to a time-consuming and error-prone process.

Today's market demands systems that are customisable, and easily maintainable.

Reliable solutions

Our client expects Expleo to help them implement the state-of-the-art MBD (Model-based design) approach:

- Organisation & Process transformation: our consultants organise several workshops and provide guidelines (organisation workflow, resource allocation etc.) to kick off an effective model-based design implementation.
- Embedded software development: to show the efficiency of the MBD approach, Expleo deploys a Centre of Excellence and is in charge of developing the weapon & turret position control firmware for different products (self-propelled howitzer, armoured combat vehicle and naval gun turret).

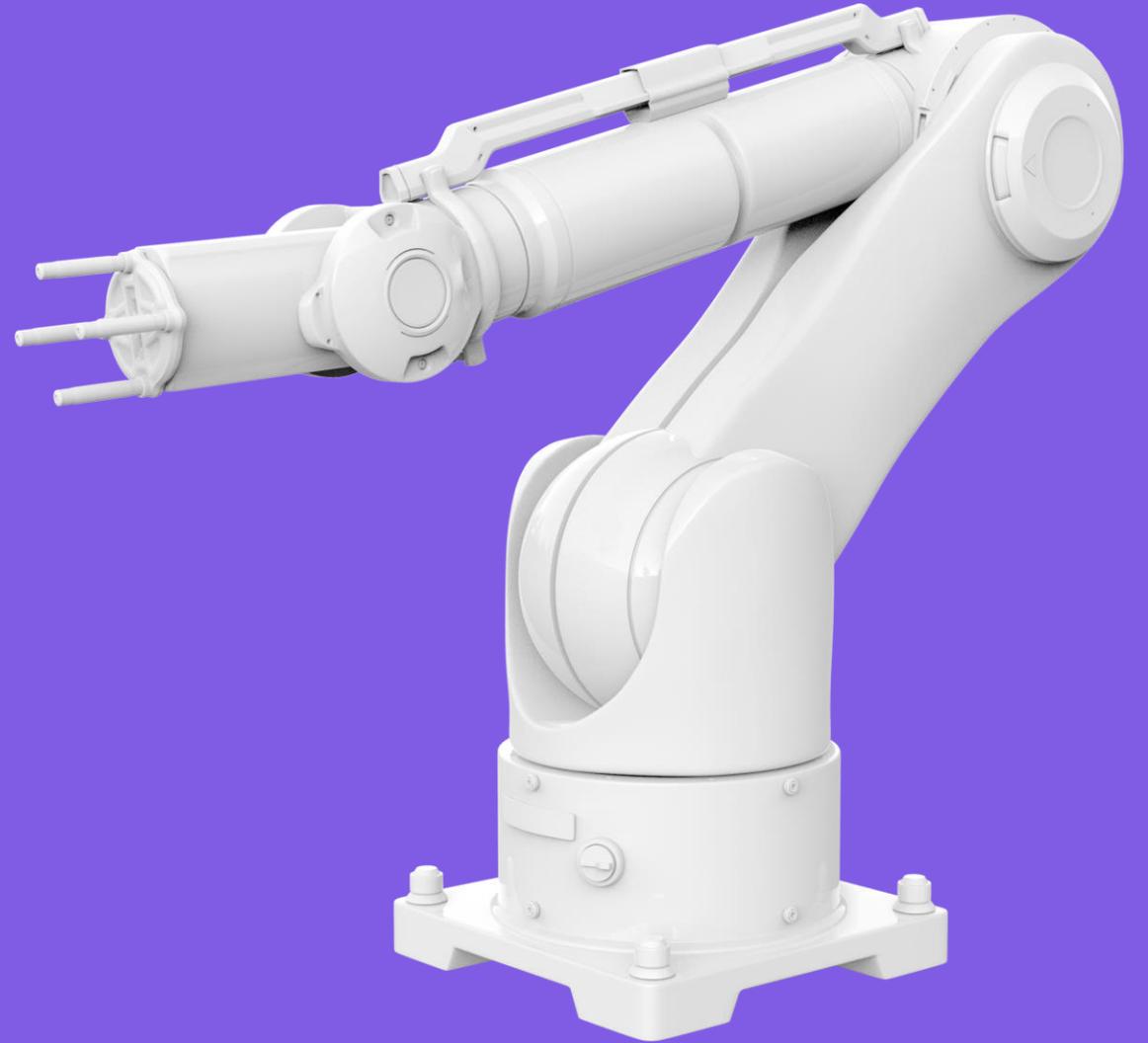
Client benefit

- Cost & lead time reduction, quality improvement.
- Enable a horizontal organisation for the embedded system development
- Enable automatic code generation
- As the requirements are robust and easy to understand, junior embedded software engineers can now deliver high-quality code.
- Enable Reusable Software Components: a gain of around 2,300 man-days for a single feature as weapon position control firmware.

BACK ←

Case studies

Engineering
excellence



(expleo)



AEROSPACE

Model Based Systems Engineering
is reducing design costs by 20%



Case Study

Reducing the cost and lead time for new products with Model Based Systems Engineering

Bold ambitions

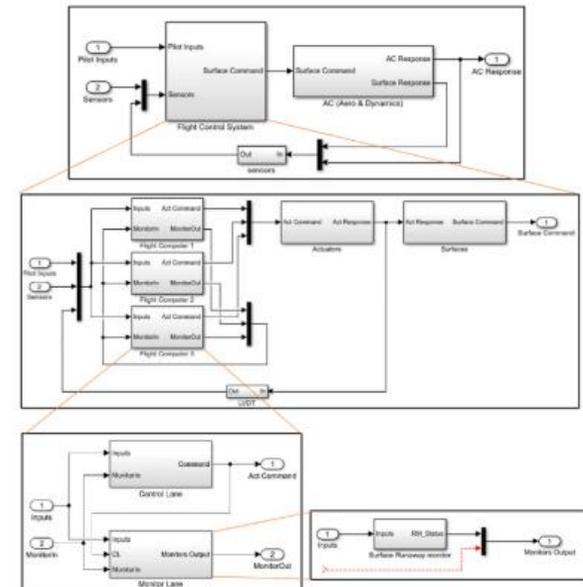
Our client is the aerostructures subsidiary of a major European aircraft manufacturer, with more than 500 direct suppliers (flying products) and more than 2,000 indirect suppliers (general procurement products).

With more than 700 gross commercial orders per year, our client sets an ambitious delivery target. But any delivery delay of an aircraft section can get the organisation off track.

Our client needs a predictive data analysis tool able to better understand and anticipate its potential delivery delays and thus improve its OTD (On Time Delivery).

Benefits

Expleo has successfully implemented this approach on a number of major aerospace programmes, in order to **de-risk design; eliminate design iterations; reduce design cost by typically 20%; minimise design lifecycle time**





AERONAUTICS

Its electric propulsion engines are emissions-free and run more quietly than ambient noise in cities (c. 65-70dB), drastically reducing air and noise pollution.



Case Study

Electric Air Taxi

Bold ambitions

Urbanisation has made our cities both wider and taller, cramming more people into smaller spaces. With more people driving every day, road networks have become congested to the point of failure.

In fact, pre-pandemic, traffic congestion rose in 57% of cities globally. For the safe transport of people, we need to think vertically as well as horizontally. That means looking to the skies.

Reliable solutions

Silver Atena, an Expleo company, have helped a European pioneer of urban air mobility to develop an autonomous electric air taxi prototype for use in towns and cities.

Our experience working across automotive, aerospace and defence has been fundamental in overcoming barriers to urban flight, including vertical take-off and landing, while our deep knowledge of highly-regulated industries is key as the urban air taxi market navigates new and unique safety regulation.

What's next?

The potential benefits to air quality and urban mobility have seen the industry attracting more and more interest with many innovative players securing funding over and beyond USD 200m.

Recognising these benefits, the European Union Aviation Safety Association has also outlined a pathway to compliance for manufacturers marking a key milestone for fleets of air taxis to be deployed in major cities.



AEROSPACE

Expleo combines technical expertise and digital proficiency to address innovation challenges.



Case Study

Hydrogen-powered aircraft: Preliminary study

Bold ambitions

A major European aerospace client is committed to developing a new generation of aircrafts with no GHG emissions

This bold ambition requires breakthrough innovation for both Product itself, and the Industrial System

New constraints have to be integrated from the early stages of the projects to address the stakes along the whole lifecycle

Model-Based Systems Engineering (MBSE) and simulation enable new ways of development to achieve maturity quicker

Reliable solutions

Systems Engineering: Use of modelling supported by technical expertise to ensure relevance of the studies

Simulation and assessment performed with virtual mock-ups

Architecture & Integration: Software development in C of bespoke control modules for prototypes

Product & Process Lifecycle Management: Development of tools to support quick assessment of industrial setup (user-friendly PERT-like production scheduler) to analyse production flow and Line Balancing

Sustainable Design: helping the client achieve their goal to reduce their carbon footprint

Client benefits

- Reliable early trade-offs for the future industrial system
- Cost and time saving development process
- Better industrial strategy

What's next?

- Support to the client to develop concurrently its future products and way of working
- Build prototypes and test rigs to validate preliminary concepts



Radome

AEROSPACE

New bio-composites are lighter, equal in performance and greener than composites currently used for cabin interiors.



Case Study

Bamco – Bamboo-based composites

Bold ambitions

The EU's REACH regulation looks to combat energy and fuel emissions by removing certain chemicals from industrial processes, including the petrochemicals used to manufacture aircraft and other machinery that relies on a high strength-to-weight ratio.

Reliable solutions

Expleo is leading the BAMCO project, creating new green bio-composites for aircraft which are lighter, equal in performance and greener than composites currently used for cabin interiors. Made from bamboo fibres and bio-based resins, these new composites are being developed to replace the non-recyclable glass/phenolic composites used in cabin cladding. The project is currently at the pre-industrialisation phase and Expleo is working with six key partners: Arkema, CIRIMAT, Cobratex, Compositadour, Mécano ID and Specific Polymers.

Expleo's expertise in action:

- Material engineering expertise from research to industrialisation
- Design and implementation of prototype parts
- Testing according to aeronautical standards

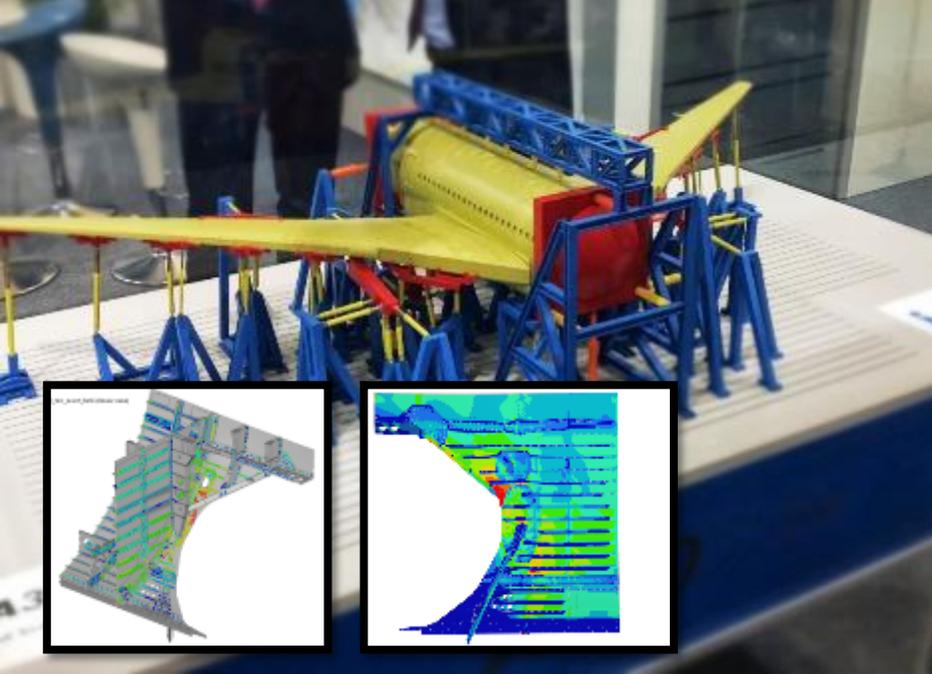
What's the impact?

The bio-composites being created reduce the weight of aircraft, lowering fuel consumption. BAMCO materials can be implemented using standard composite processes to improve aircrafts' green credentials. Bamboo has proven to provide the necessary strength and vibration absorption for use in these applications. Moreover, as a widespread natural crop, the process can be easily industrialised instead of using finite natural resources.

What's next?

After three years of research, Expleo has started the pre-industrialisation stage with a view to manufacture prototype parts by 2022. In a cross-fertilisation approach, this innovation can be applied to other industries such as automotive, urban electric vehicles or sports materials to develop alternative sustainable materials for plastic composites.

Automate finite element-based fatigue analysis on large-scale structures



AEROSPACE

Bold ambitions

Predicting fatigue life has been one of the most important problems in aeronautical engineering for reliability and quality.

The Finite Element Analysis (FEA) method (virtual simulation) is standard in fatigue analysis to reduce the use of costly lab tests.

But on large-scale structures (multiple connections between different primary parts), the industry still struggles to use virtual simulation instead of lab tests, as it involves many challenges with the traditional FEA manual approach:

1. Model validity
2. Vast amounts of data to manage and to post-process

Reliable solutions

Combining the expertise of our Simulation & Test centre and our software development team, Expleo delivers an **All-in-One digital solution**:

- Web App: connected to all modules, with a 3D visualisation of the virtual simulation end result
- Large-scale data handling: Data storage management
- FE Model automated validation
- Automated post-processing: optimised rain flow, spectrum reduction tool, geometric detection
- Metadata linked with CAD (automatically receive the design & manufacturing parameters which influence fatigue behaviour)

Client benefits

- Rapidly process large-scale structure model (>10 million elements).
- Post-processing time: The Expleo solution is 30X faster than the original method.
- Better data traceability
- Automated Geometrical detection & result extraction around fastener holes Speak (Global Kt computation)
- No commercial software use except for result visualisation (HyperView)

Partnership with **AIRBUS** and part of **CORAC** program (French aeronautical R&T agency)

Able to process **>10M** elements

Post-processing time **30X** faster



Biomimicry: R&T partner of Airbus shape-shifting wing demonstrator



AEROSPACE

Bold ambitions

To quickly test and accelerate new technologies that will decarbonise the aviation industry, Expleo UK has partnered with Airbus UpNext, NCC Bristol and Bristol University on the eXtra Performance Wing demonstrator programme.

The programme aims to develop and validate breakthrough active control technologies that can adapt the wing shape and area to the particular weight, speed and altitude of the aircraft to suit flight conditions.

Compatible with any propulsion system, the active control technologies will make future aircraft more fuel-efficient and reduce carbon emissions.

Reliable solutions

Expleo group is a key partner on Semi-Aeroelastic Hinge (SAH) and Pop Up Spoilers (PUpS), situated on the Outer Wingbox and Folding Wingtip.

We deliver:

- **Mechanical design solutions**
- **Stress analysis**
Using both industry standard and more novel software tools
- **Rapid prototyping with 3D printer** to assess the ergonomics in assembly and maintenance
- **Manufacturing engineering**
Support & modification of the Cessna Citation VII to integrate the concept (Aerotec)

Client benefits

Successful realisation to demonstrate active control technologies in different stages of this program.

The **SAH** allows aircraft to have longer wingspan with minimal impact on weight, creating less drag. Folding wingtips also allow large aircraft to fit inside standard airport gates.

The **PUpS**: rapidly deflect at right angles to airflow to achieve optimum performance – like a bird twisting its feathers.

Experiment with new analysis methods: modelling the Geared Rotary Actuator has stretched the limits of what can be achieved by 1D elements in a linear static Global FEM.

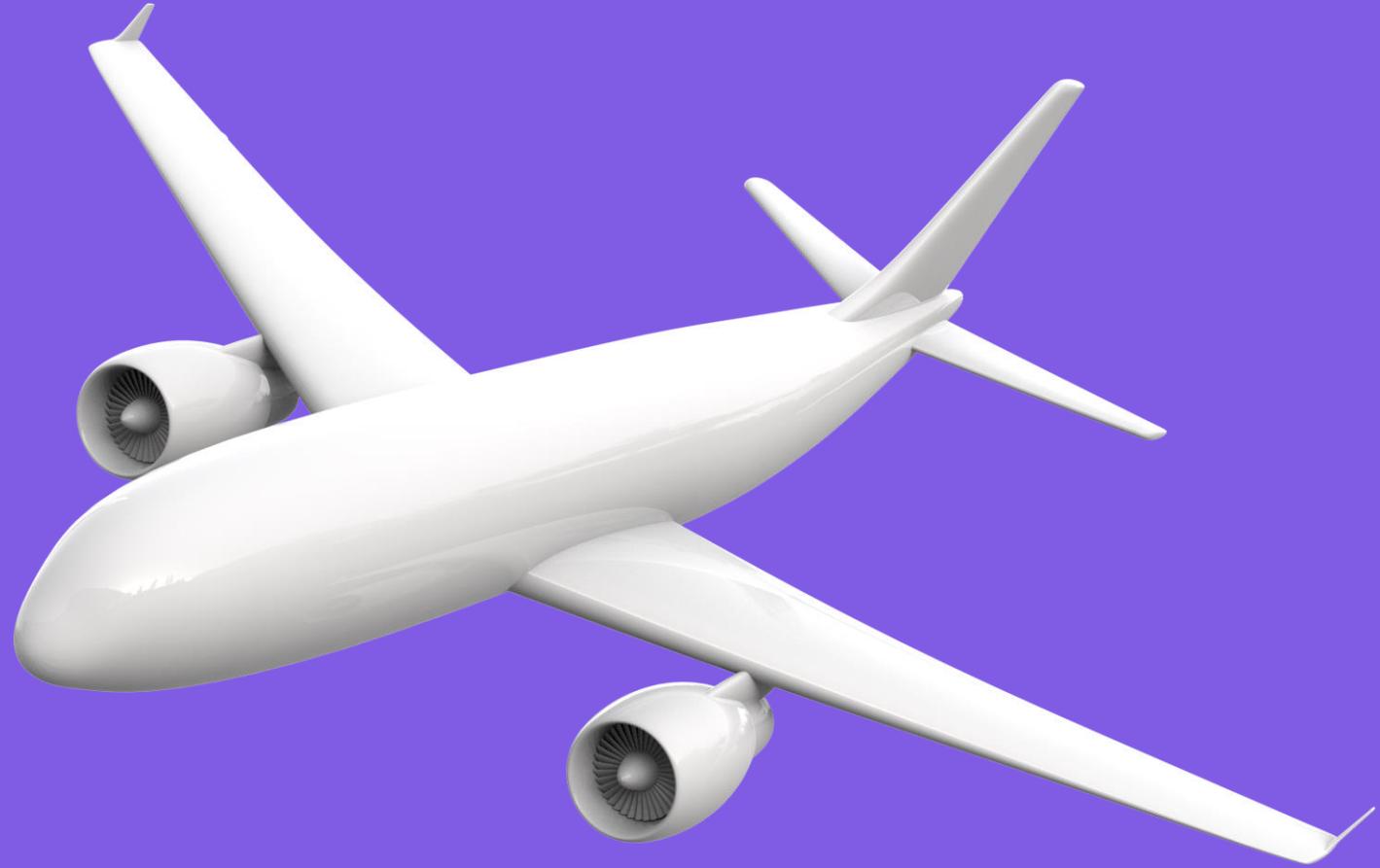
Expleo's initial investment
0.5 M£

Project partially funded by
ATI
Aerospace Technology Institute

BACK ←

Case studies

Operational excellence



(expleo)



AEROSPACE

In a potentially time-consuming and costly area for our customers, Expleo delivered a simple and effective solution.



Case Study

Developing a natural language processing tool to improve production “first-time quality”

Bold ambitions

- Non-conformance management can be synonymous with significant delivery delays and financial losses within aerospace.
- On average, the assembly line of a given aircraft model can have tens of thousands or hundreds of thousands of NCs per year.
- Our client, a major European aircraft manufacturer, wants to know if its corrective action plan (PPS, Practical Problem Solving) effectively solve the NC issue in the assembly line.

Reliable solutions

- Each NC was a manually typed report, which could cause human errors. Expleo’s data scientists recommended to develop a data analysis tool based on natural language processing.
- Correlations between the NCs and the deployed PPS are automatically and more quickly identified, allowing better monitoring of the methods’ effectiveness.
- To avoid unnecessary correlation, only intense matches are proposed and displayed.

Client benefits

- Solution delivered in two months.
- Validated in its development phase, Expleo’s data analysis tool is currently being tested by its customer.
- By enabling better tracking of the effectiveness of all the deployed PPSs and automatically visualising whether a detected NC echoes them, the search for and resolution of design defects become more intelligent, faster and more precise.



AEROSPACE

Case Study

Demonstrating the manufacturing process robustness with digital twin

Bold ambitions

- Our client is a prominent European satellite specialist. These satellites range in purpose, from telecommunications to navigation, Earth observation and space exploration.
- To be selected for a large contract for a constellation of small satellites, our client must demonstrate its serial production ability and robustness.
- That is why our client calls out Expleo's expertise in 3D Factory modelling & simulation (digital twin) to evaluate delivery performance & robustness of the future Satellite AIT (Assembly, Integration & Test) facility.

Reliable solutions

- **Plant layout design:** Expleo experts designed and delivered a comprehensive 3D digital mock-up of the refurbished factory based on the Value Stream Mapping.
- **Factory logistics & material flow Optimisation** With the 4D Flow simulation solution, Expleo experimented and ran multiple "WHAT IF" scenarios to evaluate bottlenecks, work in progress, mixed resources workload, impacts of suppliers' late delivery and quality issues on the industrial delivery performance.
- **Immersive VR to assist decision making** Display the entire system concept to the stakeholders in the 3D environment.

Client benefits

- **Strong selling point:** able to demonstrate the satellite factory's industrial delivery performance's robustness, with an accurate 3D model of the future satellite factory and the realistic industrial flow simulations.
- **Accelerated decision-making:** enabled the client to validate all elements rapidly. A lot of issues are identified and solved in the early design stage. An updated satellite factory plant layout and its optimised industrial flows are delivered in only 3 months.
- **Implementation of Industry 4.0 concept:** suggest & experiment in 3D simulation the effectiveness of connected tools/machines.

Delivered in
3 months
optimised plant layout
design and workflows

Tools
IC.IDO
FlexSim





AEROSPACE

In this project, sorting and analysing the data requires a high level of manufacturing engineering expertise. Only 15% of the mass of collected data is, in the end, usable.



Case Study

Developing a predictive tool for the production line to strengthen on-time-delivery

Bold ambitions

- Our client is the aerostructures subsidiary of a major European aircraft manufacturer, with more than 500 direct suppliers (flying products) and more than 2,000 indirect suppliers (general procurement products).
- With more than 700 gross commercial orders per year, our client sets an ambitious delivery target. But any delivery delay of an aircraft section can get the organisation off track.
- Our client needs a predictive data analysis tool able to better understand and anticipate its potential delivery delays and thus improve its OTD (On Time Delivery).

Reliable solutions

- In collaboration with the customer's supply chain experts, Expleo's team analyse the many factors (HR data, supplier inventories, etc.) that could influence delivery delays.
- Through an extensive data retrieval, cleansing and merging plan, the Expleo team built a machine learning model capable of explaining delays in past operational flows and thus better predicting OTD in the future.
- The Python programming language or the TIBCO Spotfire data visualisation software were used to perform this task.

Client benefits

- Expleo's Machine learning algorithm succeeds to predict the delivery delay and its cause in the sub-assembly line of a given aircraft model.
- Ability to anticipate the delivery delay helps the client to significantly increase the outcome.
- Our customer is now fully convinced of the relevance of using data-driven tools to respond to issues arising within its production line.



AERONAUTICS

Expleo offer a seamless transfer of the tools from Design to Manufacture.



Case Study

Shortening the build process

Bold ambitions

Our client, a major European aircraft manufacturer, was having delays on their Single Aisle Assembly line. They needed to act quickly to avoid it impacting the critical path and therefore preventing the build being completed within the optimum potential timeframe.

Reliable solutions

- Expleo was engaged to investigate and redesign the single aisle assembly line of a major aerospace company to remove unnecessary procedures in the manufacturing process and identify STV (standard time value) savings.
- An integrated team was deployed onsite to investigate the project. 10 new tools were identified and then commissioned to realise the objective of STV time reduction.
- Tooling design, digital mock-up creation, manufacturing engineering support and integrated manufacturing were all provided by Expleo, delivering a 20-hour STV saving.

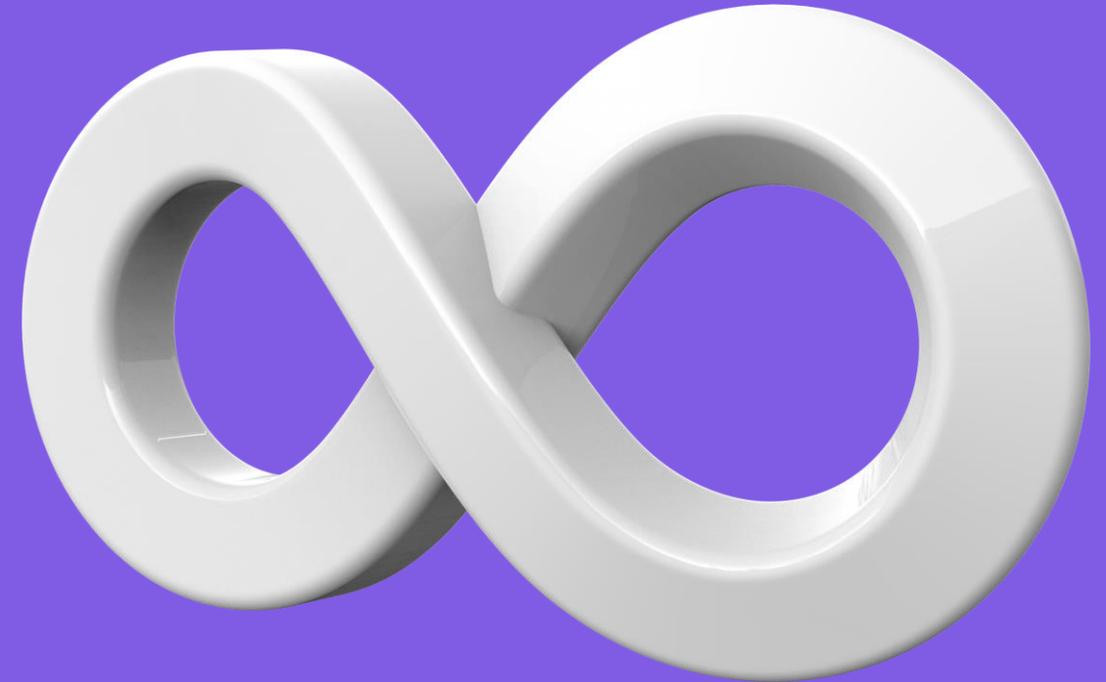
Client benefits:

- 20hr STV saving.
- A cradle to grave solution.
- Integrated manufacturing – Expleo used an established manufacturing partner to offer the client a seamless transfer of the tools from Design into Manufacture.

BACK ←

Case studies

In-service & after sales



[expleo]



AEROSPACE

15

Expleo experts (data scientists, data engineers and aeronautical system engineers)

A long-term project since

2014

12 To

Of GPS data processed

Case Study

Data diagnostic for predictive maintenance

Bold ambitions

- Our client, a major European aircraft manufacturer, aims to eliminate the need for unscheduled grounding of aircraft for fault repairs (Zero AoG).
- It brings a substantial competitive advantage to our customers through the greater efficiency of airlines.
- To achieve this ambition, the client needs to identify the warning signs of the defects for each piece of equipment they are monitoring.
- Technical investigations must be conducted throughout the aircraft's lifecycle, from the production phase to the end of its operational period.

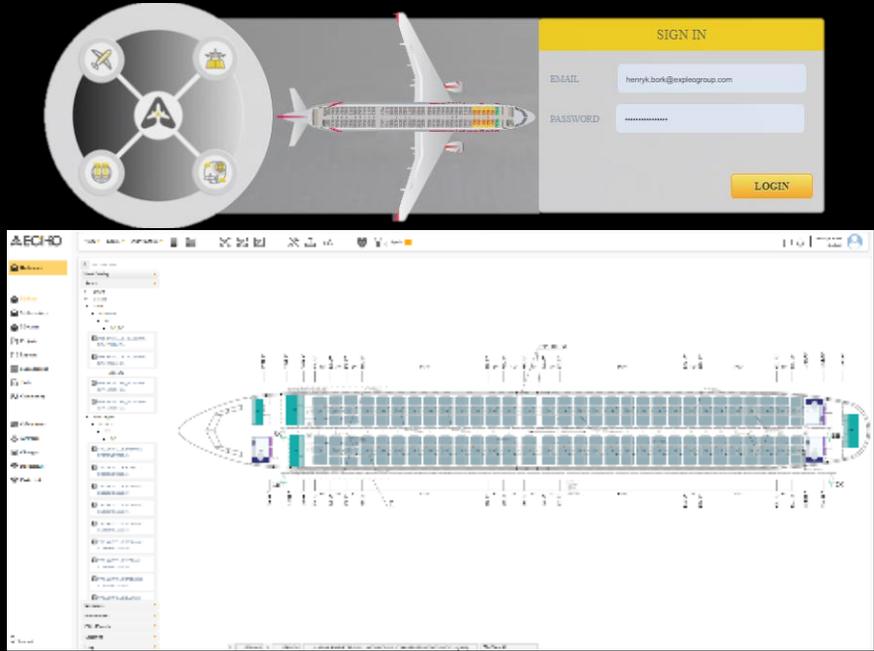
Reliable solutions

- Thanks to a multidisciplinary service centre covering aerospace system engineering and data science, Expleo offers its client all the tools to meet the complex challenges of predictive maintenance of an airliner.
- The team deployed by Expleo responds to the technical monitoring needs of everything related to the use and wear of engines, hydraulic systems (ATA29), navigation (ATA34) or electrical power (ATA24).
- Expleo used technologies such as the Python programming language and the Apache Spark massive data analysis engine.

Client benefits

- Expleo offered its client a few more milestones in its goal to become a technology company providing value-added digital services to airlines:
- Identification and mapping of GPS interference zones.
 - Prediction and anticipation of oil filter clogging.
 - Where conventional engineering could not correctly perceive this problem, Expleo solved the problem of unexpected resets of an electronic system, with data science approach.





AEROSPACE

Customer expectations in terms of facilitating decision-making based on CLM best-case scenarios were fully met. This was the key to assigning the entire campaign as a turnkey project

Case Study

Cabin Layout Management

Bold ambitions

- Cabin Layout Management (CLM) is the centrepiece of a digital platform constituting a new ecosystem called Cabin Mod Hub (CMH)
- Cabin Layout Management automates cabin layout creation from business case verification through design to certification
- Full extension of the CLM method on the CMH can set a new standard of collaboration in the aviation industry by implemented Supply Chain Management functionality to provide turnkey solutions
- Complete fleets can be digitised and standardised, which delivers efficiency for common fleet-wide mods

Reliable solutions

- **Architecture & Integration:** Trustworthy combination of technology leap and certification expertise under the “umbrella” of an EASA approved Design Organisation
- Referenced aircraft documentation and other documents can be linked to relevant configuration
- **Cloud Computing:** “Platform as a Service” based on secured cloud architecture to create reliable cabin mod ecosystem
- **Part of Expleo’s digital offerings:**

DesignSmart

DataSmart

Client benefits

- Significantly reduces time from enquiry to certification through effective digital management
- Linking with various product catalogues and services allows an approximate best-case scenario
- Instant and reliable information for change requests in terms of feasibility, certifiability, availability and cost
- Facilitates controlled configuration management enabling modification interchangeability
- Allows sharing of repair solutions & spares supply across airline fleets





AEROSPACE

Deep neural network model adapted to each aircraft with an error margin of just 10 knots

Case Study

Develop an aircraft's speed calculation system based on deep learning

Bold ambitions

- Temporary inconsistencies can sometimes occur in speed measurements taken at high altitudes due to partial or complete obstruction of the Pitot tubes by ice crystals.
- The malfunction of the speed sensors aboard the aircraft can lead the pilot to perform dangerous manoeuvres.
- To improve the reliability of the aircraft's speed indicators, a major European aircraft manufacturer wants to develop a backup speed calculation system that could supplement Pitot tubes readings, based on data provided by the engines.

Reliable solutions

- To better respond to this customer constraint of integration on embedded calculators, Expleo is developing a deep neural network model adapted to each type of aircraft engine studied.
- To establish its model, Expleo relies on the three most relevant parameters, i.e. pressure sensors (total and static) from the engines and the rotation speed of the blades.
- Expleo uses the Python programming language or the artificial intelligence tools TensorFlow and Keras.

Client benefits

- A model error margin of only 10 knots (or ~11 mph).
- For the time being, the models developed on the two types of engines studied have been validated by our customer's design office, and the third project on a new type of engine is already planned.





AEROSPACE

Case Study

ELSIO – Life Cycle Cost Optimisation

Service offer developed by Expleo

Bold ambitions

Businesses are always looking for optimisation throughout the product life cycle. Digital transformation within any industry is a major but necessary challenge to save time and money. Today's organisations and data are siloed so it is fundamental to have a global approach to support this transformation.

A consulting approach makes it possible to identify opportunities and put into practice the necessary means to deliver a better return on investment.

Reliable solutions

Elsio is an integrated solution to life cycle cost optimisation.

Expleo participates in empowering changes within the working processes and organisations to help realise the client's strategic vision.

Expleo delivers solutions to improve the products and the profitability of the company by maximising time and cost efficiency across the whole business.

The offer is structured around 3 pillars: Innovate, Collaborate and Operate. These steps correspond to the product life cycle (design, manufacturing, service) in which we find the key tools to successfully transform it: data, knowledge, capability, process, people and smart KPI's.

Expleo's expertise in action

- Consultancy
- Engineering skills
- Digital know-how (systems, data science)
- Change management
- Assessment models
- Client-focused operating models

What's next?

Elsio is designed to be extended to different sectors such as automotive or transport. Learning from previous experiences with different companies and the challenges faced during the consultancy stage, Elsio will widen its set of tools and bring Big Data and AI into the offer.

Customer expectations in terms of facilitating decision-making based on CLM best-case scenarios were fully met. This was the key to assigning the entire campaign as a turnkey project