



Dedicated to innovation in aerospace

# The 747 Design Experience

PRODUCTS & SERVICES

# 7 Profiles

# 4

# 7 Step sprints



## With the unique and efficient 747 design methodology we are a powerful partner for your HMI design

Human Machine Interfaces (HMI) can be found everywhere; it is the front end of your product. Often however they are highly undervalued; in most scenarios HMIs are technology driven and the design process is rushed through. This inevitably leads to high workload, frustration and human error. Good HMI design is essential to make your product work. NLR has developed the 747 design methodology. Following this methodology, we are capable of delivering innovative and intuitive HMI solutions in an efficient way.



### WHAT YOU NEED

- More intuitive interaction with your product
- More efficient use of your product
- Lower workload for your operator(s)
- A reduction of human error
- Innovative hardware for your HMI
- Optimized use of automation for back-end support

### WHAT WE DELIVER

- A profile of your HMI needs
- An iterative incremental agile design process
- Storyboards of the interaction design
- From sketched ideas to interactive prototypes or even fully integrated solutions
- Use of state-of-the-art hardware and software, like Augmented Reality / Virtual Reality and Artificial Intelligence / Machine Learning
- A range of evaluation possibilities: from interviews to full-blown human-in-the-loop experiments

### OUR CAPABILITIES

NLR has decades of experience in designing user interfaces for the complex aviation domain. Using this broad experience and knowledge we are able to generate 7 profiles of the desired HMI very quickly. In contrast with extensive user requirement analyses which might take weeks or even months, we ensure to start designing after just one day.

The resulting profiles provide us with guidelines for the succeeding incremental design cycles. Every cycle a skilled multi-disciplinary team works their way through 7 steps of this agile process, resulting in a working, and tested product every two weeks. In such a way, the customer and the team gain a growing insight in the solution quickly. The 747 design experience is fast, flexible and adaptable; the best solution is guaranteed within the available budget.



### THE 747 DESIGN EXPERIENCE BRINGS YOU:

- a skilled and experienced multi-disciplinary team
- customer involvement during the entire process
- no waste of your budget on tedious analyses
- a fast, flexible and adjustable process
- a state-of-the-art HMI that fits your needs