**WORKSHOP AEROSPACE MEETS HIGH TECH “CIRCULARITY”, SEPTEMBER 30TH 2021**

After a short explanation about circularity in general, Ligeia Paletti, Management Consultant Circularity, Aerospace Vehicles Division at NLR gave an impression of the current situation in the market of aircraft structures. Like most industries, also the aerospace industry is at the moment especially linear. To be more circular the market itself has to overcome some difficulties. They have to deal with the following aspects: Unfamiliarity, regulations, the economic sense, design issues and the poor availability of data.

Circularity is an economic model. Till it becomes an obligation by regulation, the driver for circularity will be value retention (the 9 R’s). Keeping the products as high as possible in the circular loop, has to effect in a higher restidualvalue at the end of life.

To prove the aspects of the circular value and the impact on the environment, there is a need for a circular passport. Hans van der Steen, Business Manager Hygienic Design Network (HDN) and project manager circular product passport, was project manager for an investigation in how to implement a circular passport in the food process industry. He explained what information will be needed in this passport and how this can be arranged. There are more projects running like this and at the end all the outcomes will be combined in a uniform document. All markets have their own typical subjects. During the workshop the groups were faced with some questions about how this can work for their situation and what has to be arranged.

The conclusion is that a lot has to be arranged. Knowledge, a complete redesign, possible new materials and a better procedure for (trusted) data exchange. We already faced some limitations like the lack of information, obligations according to standards or guidelines but also the need for confidentiality in competitive (IP) or military (export control) cases.

With the workshop we gave the groups food for thought and the direct response was good. We hope that this was the beginning of a new circular age.