

# PRESS RELEASE

## **ADAMOS Hackathon at Dürr: teams programming innovative software prototypes**

- **Programming contest involving over 60 participants in seven teams**
- **Aim: further development of the IIoT platform ADAMOS**

**Bietigheim-Bissingen, August 30, 2018 – creative ideas for new digital solutions: that is what the second ADAMOS Hackathon hosted by Dürr in Bietigheim-Bissingen from Monday through Wednesday was all about. Around 60 programmers and product managers from ADAMOS member companies took part in the programming contest. Working in seven separate teams, they developed solution approaches and prototypes of new software products and apps relating to the IIoT platform ADAMOS. The first three places went to an innovative solution for ordering spares, an application for control of data traffic in the cloud and an alternative method for providing and processing data.**

IIoT stands for Industrial Internet of Things, which refers to the digital networking of, and communication between, intelligent equipment and production facilities. The IIoT platform ADAMOS developed for this purpose represents the foundations for collecting and evaluating large volumes of production data (big data). Applications based on the IIoT platform allow factory operators to achieve maximum levels of transparency in their production processes, and this in turn helps them identify optimization potentials.

The aim of the ADAMOS Hackathon sponsored by Dürr was to reinforce the network within the ADAMOS partners, foster innovations and design new applications on the IIoT platform. In the process, participants were able either to

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pursue their own ideas or take up one of the topics suggested by the organizers, such as the analysis of large amounts of data directly at production facilities (edge analytics) or in the cloud (data-to-cloud transparency). On Wednesday, a jury consisting of managers with an in-depth knowledge of customer needs and IT specialists from ADAMOS member companies picked the three best solutions from the software applications developed.

The winning team developed an application that significantly simplifies the process of ordering spare parts for machinery operators and for procurement. Thanks to the integration of the web shop, the suitable product can be ordered with the aid of a QR code, i.e. without the machinery being linked to the cloud. The team in second place delivered a compelling performance with a solution that provides customers with full transparency and control of their data. Customers can decide for themselves which data is transmitted to the cloud. The third place went to a new method for providing and processing machinery and plant data. In the process, small computing units are installed to facilitate real-time data evaluations on machinery. Further evaluations and a summary of the individual computing units are carried out in a global ADAMOS environment.

Dürr CEO Ralf W. Dieter, who also chairs the ADAMOS Advisory Council at present, said: "It's fascinating to see what happens when you give over 60 clever minds the freedom to design and program applications without imposing restrictive specifications beforehand. In this era of digitization, this is precisely the kind of agility we need if we want to develop creative software solutions for our customers."

The term "hackathon" is a contraction coined from the two words "hacking" (programming) and "marathon". The ADAMOS hackathon hosted by Dürr was the second event of its kind. Software developers from the ADAMOS member companies had previously met at the engineering firm DMG Mori in Pfronten in March.

ADAMOS is an open IIoT platform for the mechanical engineering sector. In addition to Dürr and DMG Mori, the membership includes the company

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Software AG as well as the engineering companies Zeiss, ASM, Engel Austria and Karl Mayer.

Pictures can be found [here](#).

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