

# AMPIUS® & Engineering Services

Together with our customers we develop bespoke digital solutions. We constantly strive to adapt our components to meet your specific challenges and achieve the greatest possible customer benefits for you and your customers.



The constant changing face of the market and the increasing demands, especially in the field of digitisation, have created entirely new possibilities for product design and optimisation. As innovation leaders, we naturally utilise these new possibilities to their full potential.

Of course, this is only possible in close cooperation with you, our partner. Specific requirement profiles, technical feasibility and the resulting benefits are our driving force.

Aside from such engineering projects, as innovation leaders it is naturally always our goal to continuously enhance our high-tech hose systems and to integrate new technologies.

Together we create an customised design development plan. At the heart of our Engineering Services is the centralised development and project management team. This interface pools the entire expertise and capabilities of the Masterflex Group:

Teamwork and a targeted exchange of specialist knowledge lead to the best possible solutions, which are extensively tested together in the specific application and then authorised by you, our customer. The digital components are tailored to your exact requirements based on modular hardware and software elements.

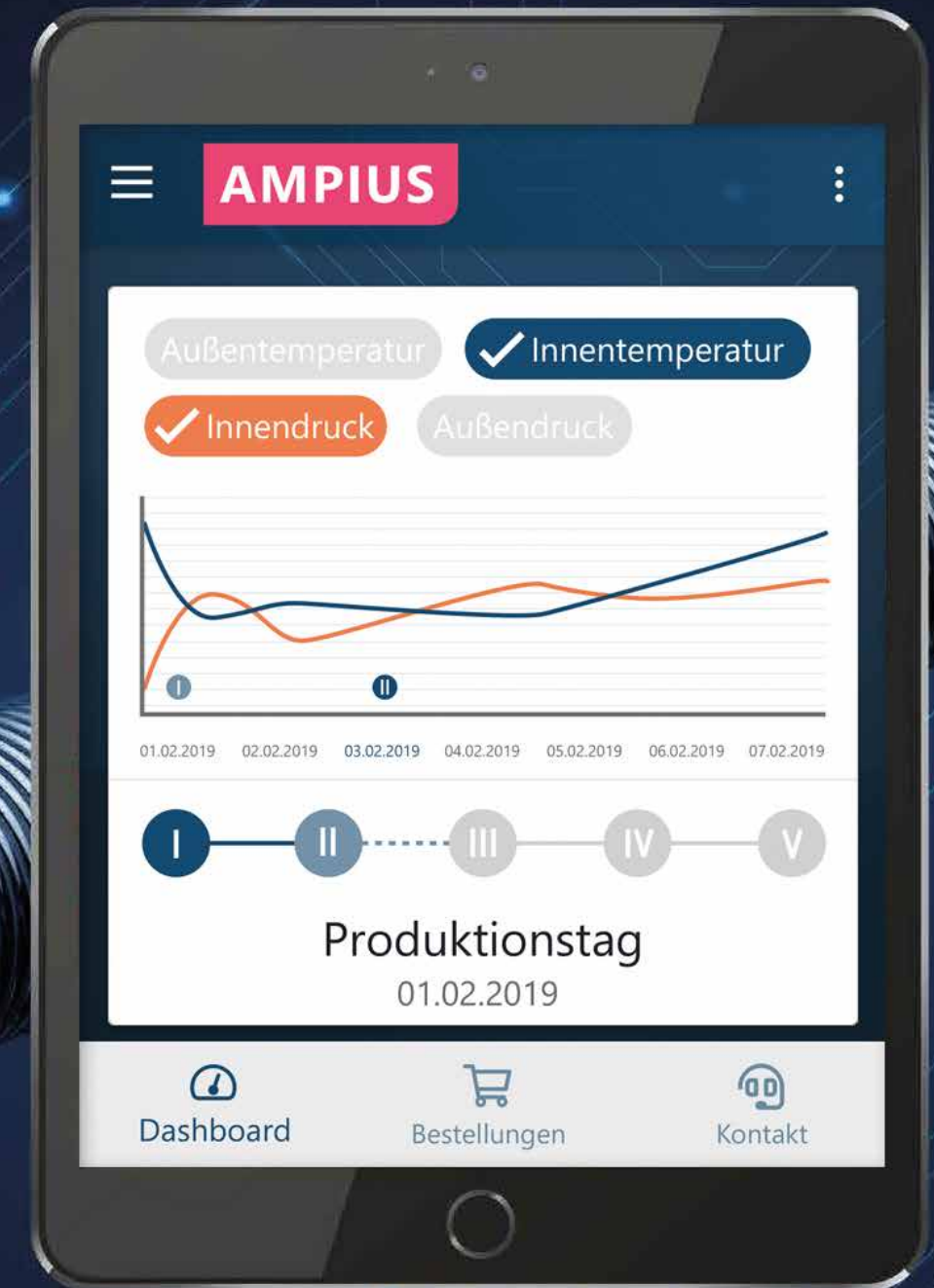
**You want to shape the future with us?**

**Then simply contact us at [AMPIUS@MasterflexGroup.com](mailto:AMPIUS@MasterflexGroup.com)**

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 MASTERFLEX GROUP

 MASTERFLEX |  MATZEN & TIMM |  NOVOPLAST  
SCHLAUCHTECHNIK |  FLEIMA-PLASTIC |  MASTERDUCT |  APT



## AMPIUS®

### The Future of Flow Technology

 MASTERFLEX GROUP

# The AMPIUS<sup>®</sup> Mission

The hose of the future is intelligent. It communicates proactively and is made by the Masterflex Group. In the near future, we will offer networkable and smart variants and options for our entire product range. AMPIUS<sup>®</sup> is not just a product. The brand unites the expertise and experience of the entire Masterflex Group to create solutions in the field of smart products and IoT.

## Sensor Technology

Products in the AMPIUS<sup>®</sup> series are equipped with sensors especially designed for the individual application. Depending on the specific conditions and the functional requirements, the sensor data recorded in the hose system is read out using various data transmission techniques. The raw data is then processed and provided to you, our partners, as required.

## Digital ID & Life-Cycle-Tracking

AMPIUS<sup>®</sup> hoses systems can be accessed using either mobile (e.g. smartphone) or stationary reading devices. The basic version offers a unique ID as well as further connected product information important for the user. In addition, information on the individual product life cycles will also be available in the future.

## Smart Materials

In addition to the high-grade polymers and fabrics applied by the Masterflex Group, new "Smart Materials" can also be adapted especially for AMPIUS<sup>®</sup> hose systems and the specific application challenges. This provides you, our partners, with even greater possibilities to design your processes with superior data intelligence for all future applications.