MAXION DIGITAL TRANSFORMATION

Digital transformation is a key long-term strategy for Maxion.

This white paper introduces our global digitalization strategy designed to ensure the long-term sustainability of Iochpe-Maxion, Maxion Wheels and Maxion Structural Components through the management and execution of this business revolution.

WHAT IS DIGITALIZATION?

Digitalization is the use of digital technologies to connect people, devices, systems and physical objects in order to change a business model.

WHY IS MAXION FOCUSING ON DIGITALIZATION?

- Transform and strengthen our business
- Solve real business issues faster
- Create new core competencies
- Market leadership for customer service
- Fully integrate business functions and operating model
- Improve financial results
- Create value by doing things differently

DO YOU KNOW THE DIFFERENCE BETWEEN DIGITALIZATION AND DIGITIZATION?

Digitalization is the use of digital technologies to change a business model and provide new revenue and value-producing opportunities; it is the process of moving to a digital business. (GARTNER).

Digitization is the process of changing from analog to digital form. (GARTNER)

HOW WILL WE DO THIS?

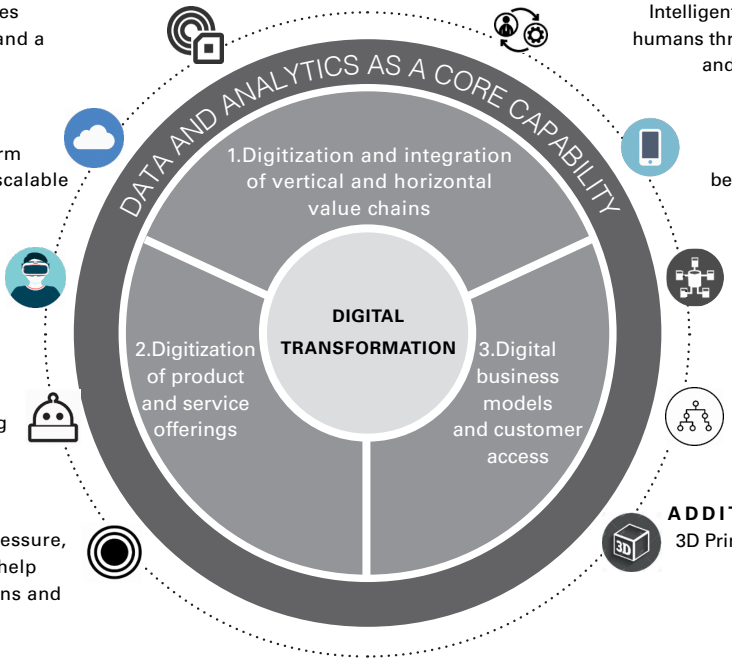
LOCATION DETECTION
Wireless item identification provides traceability, machine integrations and a base for autonomous processes

CLOUD COMPUTING
Infrastructure, software and platform provided as a service. Elastic and scalable

AUGMENTED REALITY
Simulated training processes and digital interaction with environment

ARTIFICIAL INTELLIGENCE
Datasets mined for business opportunities, faster decision making and more autonomous processes

SMART SENSORS
Temperature, humidity, voltage, pressure, vibration, and movement sensors help build an environment where humans and machines can interact



ADVANCED HMI
Intelligent systems that can interact with humans through speech and text, learning and adapting improve interactions

INTERNET OF THINGS
Data collection and interaction between any device, big or small, complex or simple

BIG DATA
Collection and analysis of large datasets

DATA ANALYTICS
Identification of patterns in aggregated data yield new knowledge and insights

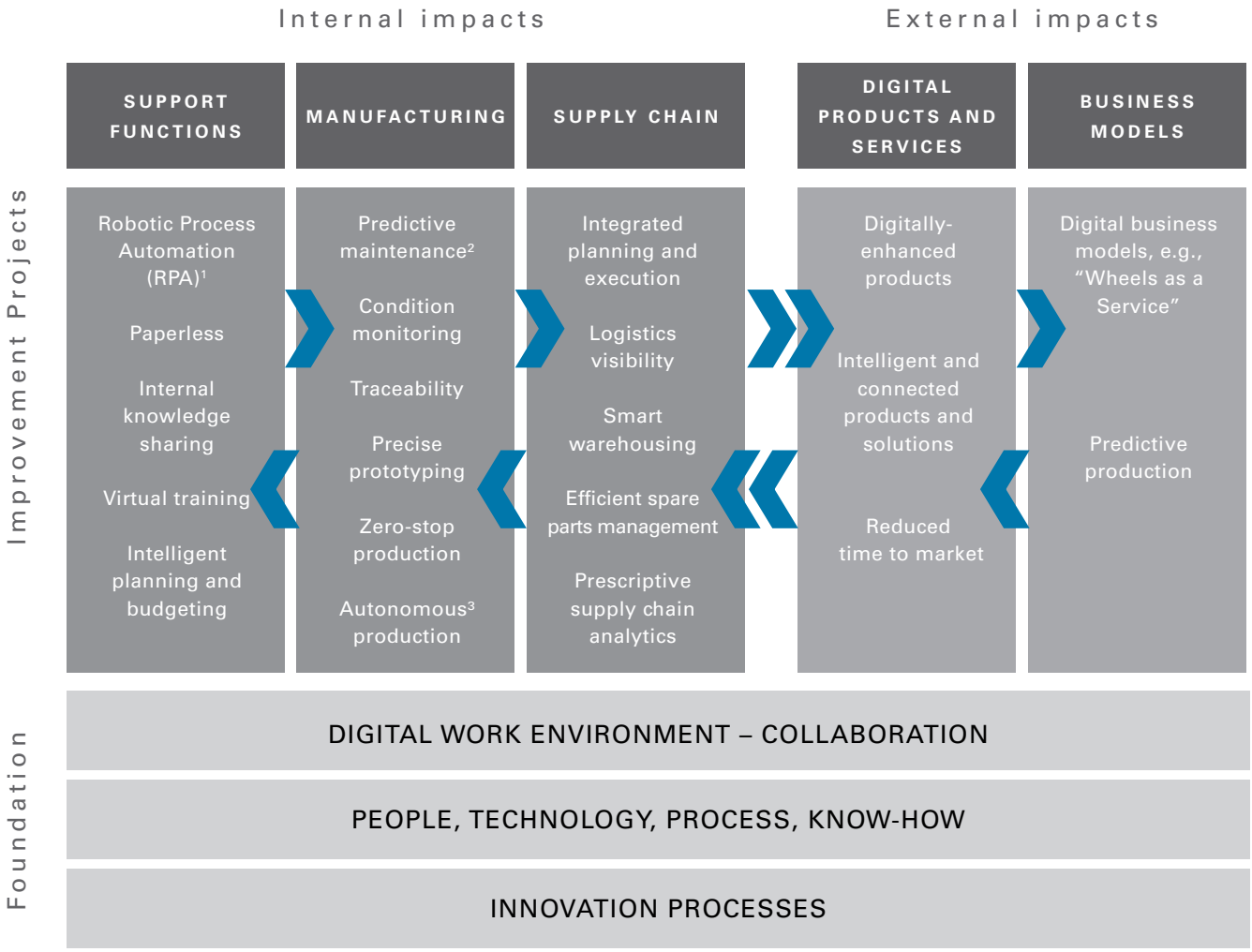
ADDITIVE MANUFACTURING
3D Printing of spare parts, prototypes and even products

IOCHPE-MAXION

MAXION
DIGITAL TRANSFORMATION

HOW DOES THIS IMPACT YOU?

Digital Transformation will affect us all, providing new **tools** and **techniques** to make our processes smarter. We need to learn how to **adapt** to continuous change and new processes.This is a movement that will reach beyond the shop floor of our plants, bringing new business models and products that can impact our entire value chain.



[1] Robotic Process Automation (RPA) is a type of software that automates repetitive tasks performed today by humans on computers.

[2] Predictive maintenance uses machine learning techniques to predict the likelihood of equipment failures and build maintenance schedules based on "real" conditions. This approach promises cost savings over routine preventive maintenance, because tasks are performed only when needed.

[3] Autonomous production is a digital scenario where robots can complete tasks intelligently, i.e., talking to humans and each other and taking decisions by themselves, focusing on safety, flexibility, versatility and collaborative work.