

# Manufacturing Factories of the Future

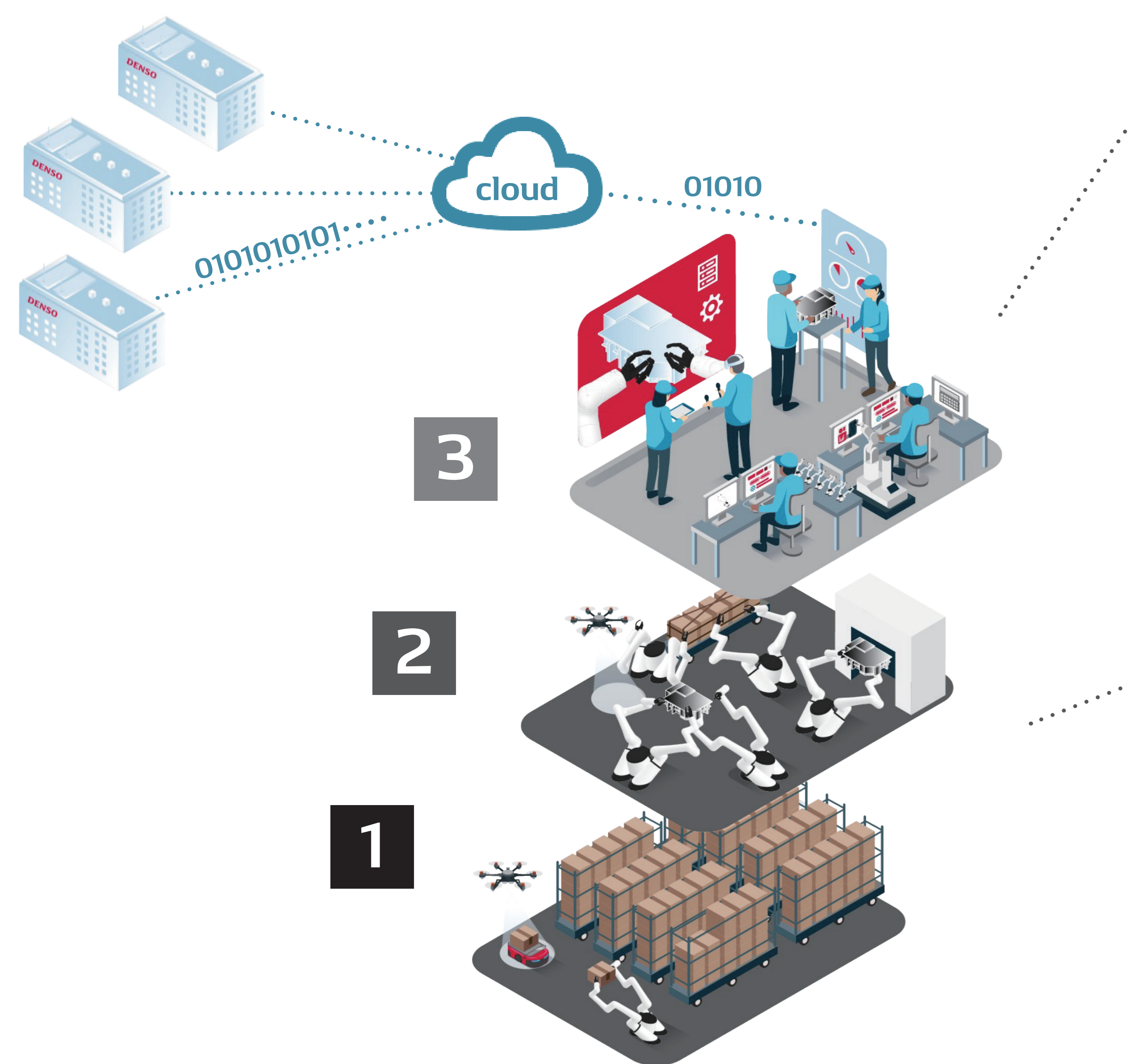
- A general-purpose, dual arm robot that enables simultaneous mass production around the world, identical quality as a single arm, liberates users from bloated preparation times and production lines.

## Goal

Final goal is for cyberspace to become the "genba" (worksite) of engineers and technicians, and the "genchi" (actual location) will be an unmanned factory

## Approach

3 Elements of Future Manufacturing Factories



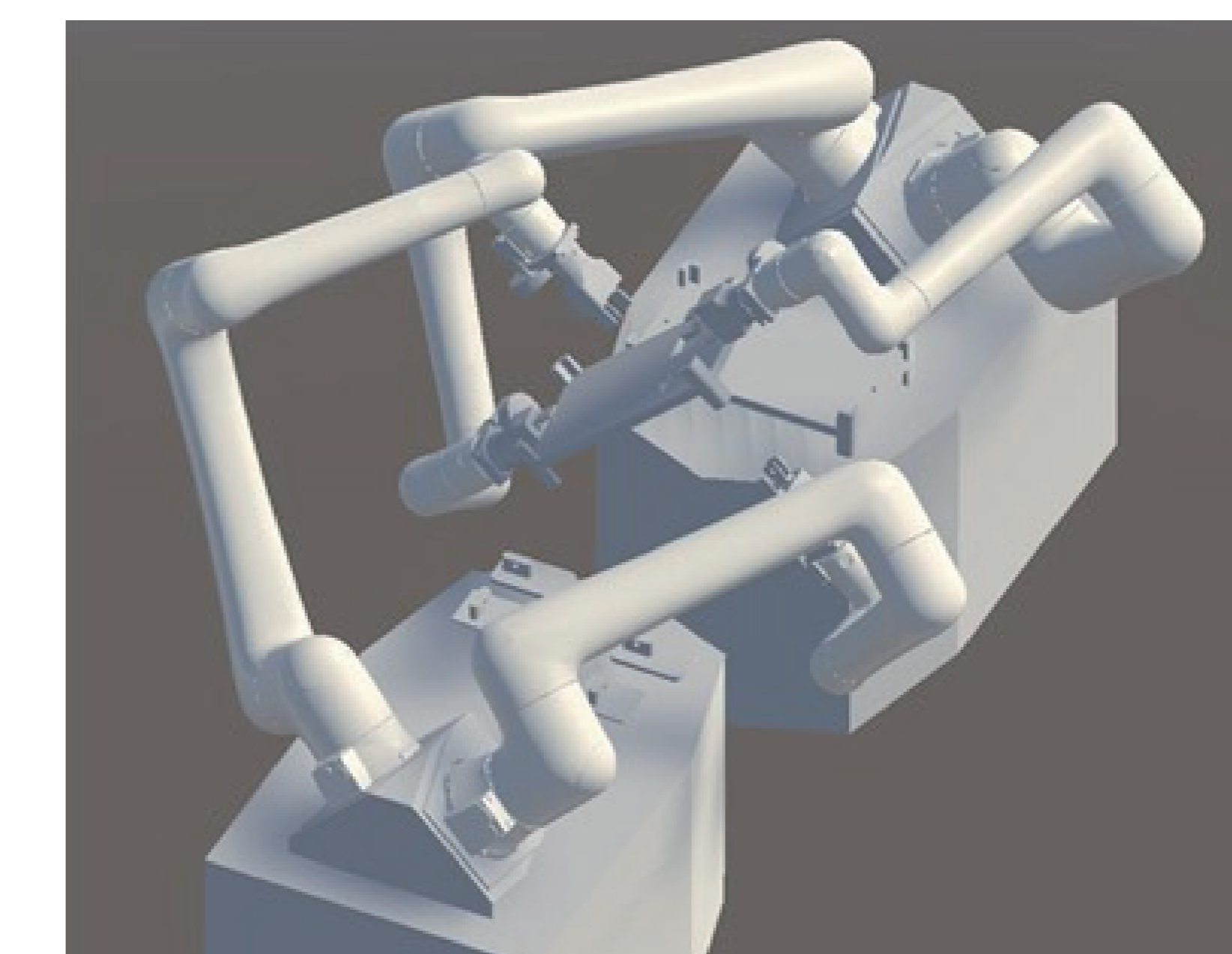
**From a design that accelerates human creativity to production preparation**

Line design/ verification using a digital twin



**Adoption of unmanned systems using process machines and robots**

Manufacturing with robots and mobile processors that can be flexibly installed, while humans are employed in high value-added work

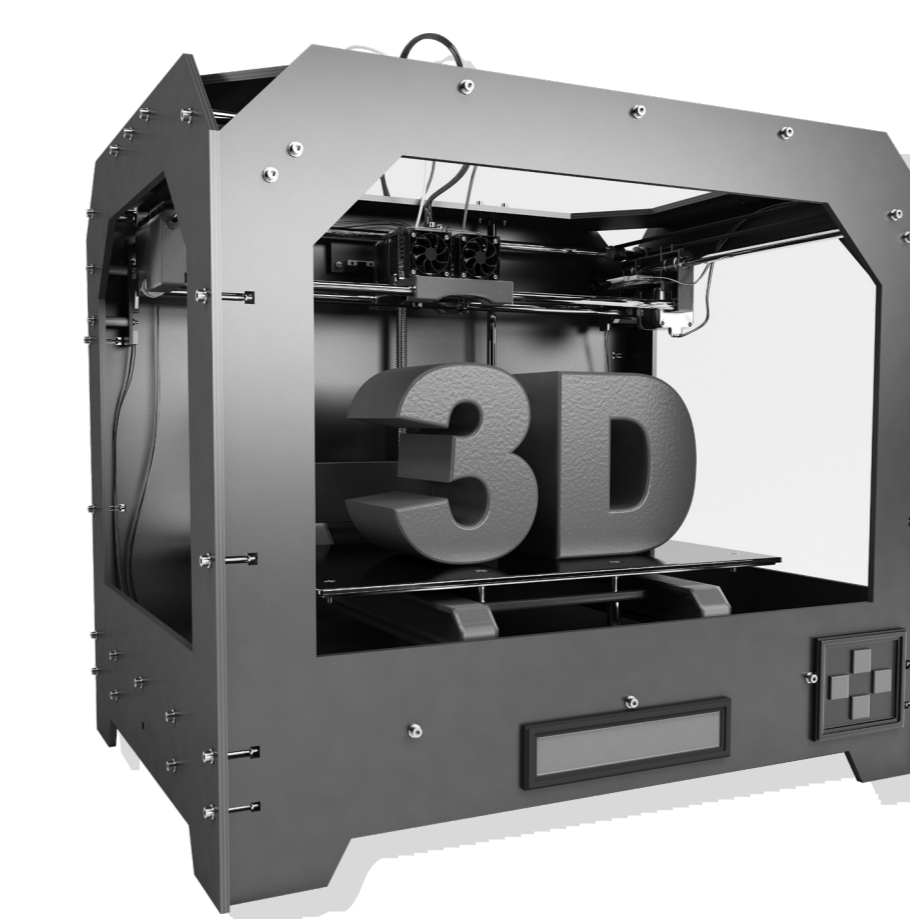


**General-purpose dual arm robot**

"Mass customization enables production to only use robots, with no need for dedicated equipment or tooling, enabling simultaneous mass production around the world with the same quality as a single robot"

**Advanced design technology**

Highly flexible part shaping



**Support for difficult work**

Integrated control, multiple unit cooperation, dual arms, AI

