



TRANSITION TECHNOLOGIES PSC

Who we are?

Software Integrator and PTC Solution Center



12 years of implementing PTC solutions

200 developers & architects for Windchill, WPA, Integrity



4 years of ThingWorx know-how

Remote Monitoring, Digital Twin, Connected Products



ThingWorx Studio/View & Unity R&D

HoloLens, ODG, DAQRI, iOS, Android, Windows



Solution Center available to PTC Partners

New benefit from PTC to all Partners – expand your workforce!







Transition Technologies Group

ENERGY MARKET

- Software supporting energy market participants.
- ETRM solutions for the energy corporations .
- · Integrated solutions (production).
- · Optimization of production.

Services, process automation.

GAS MARKET

- Underground gas storage management system
- Support for commercial processes (contracts management, nominations, balancing, invoicing) and technical processes (storage status monitoring, underground simulation, storage process optimization)

HEAVY INDUSTRY

- Development and implementation of process automation systems.
- Engineering services for technological processes.
- Solutions based on Distributed Control Systems (DCS).
 Programmable Logic Controllers (PLC) and industrial PC's.



MEDICINE

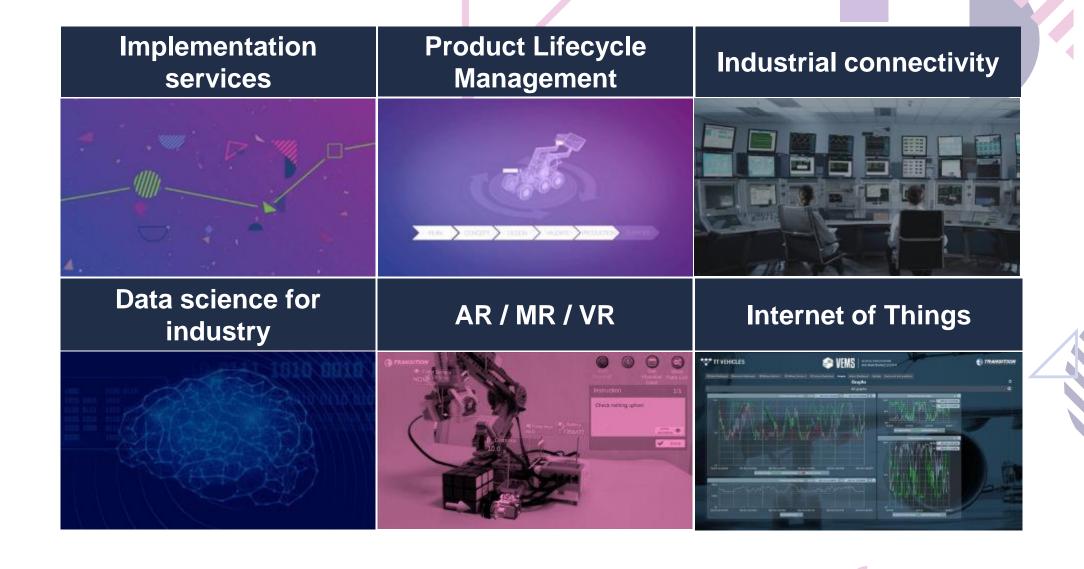
- IT support in medicine, molecular biology, pharmacy and related fields.
- Tools dedicated to physicians and professionals in the medical sector, designed to support the analysis of large volumes of medical data.



OUTSOURCING

- Creating dedicated software houses for international corporations.
- · Programming services in all technologies.
- Various models of cooperation.

Transition Technologies Group





Trends



Human at the center in MFG systems



AR-guided workers



Full product lifecycle data collecting



loT and Real-Time performance



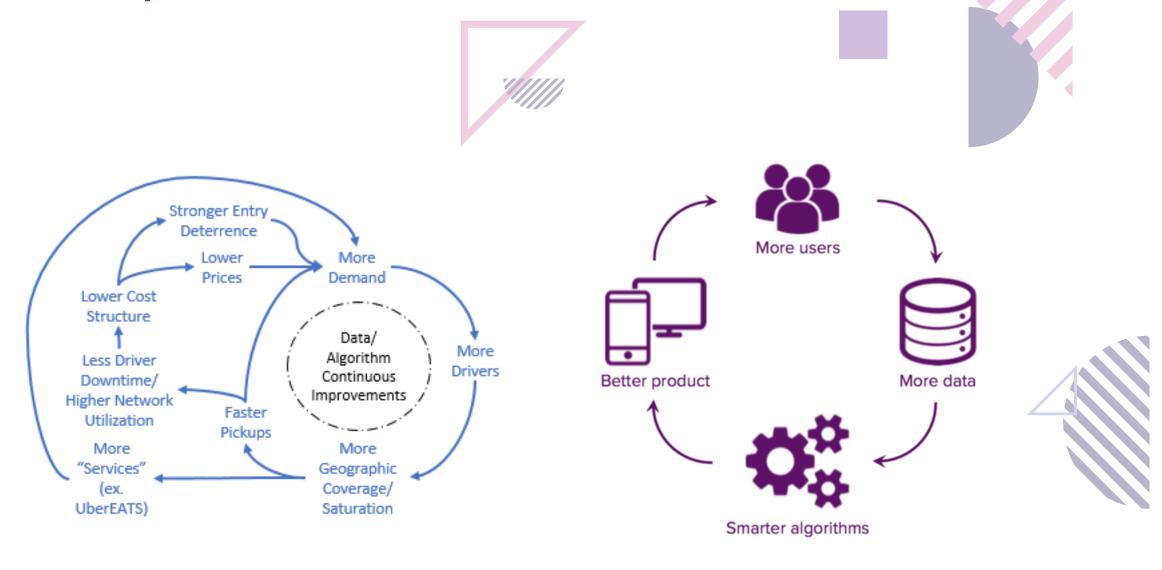
Artificial Intelligence with Predictive Analytics



Platforms and network effects



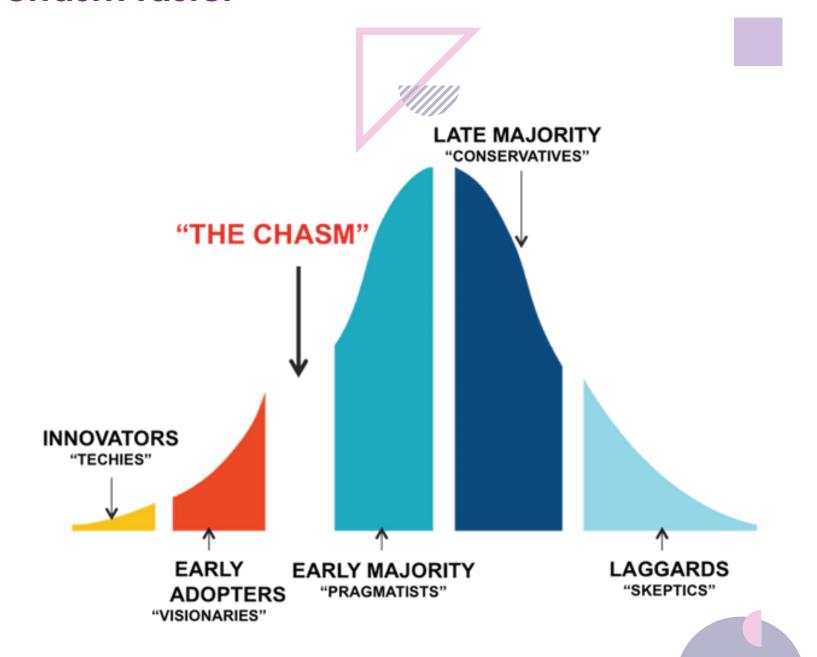
Multi-sided platforms and network effects



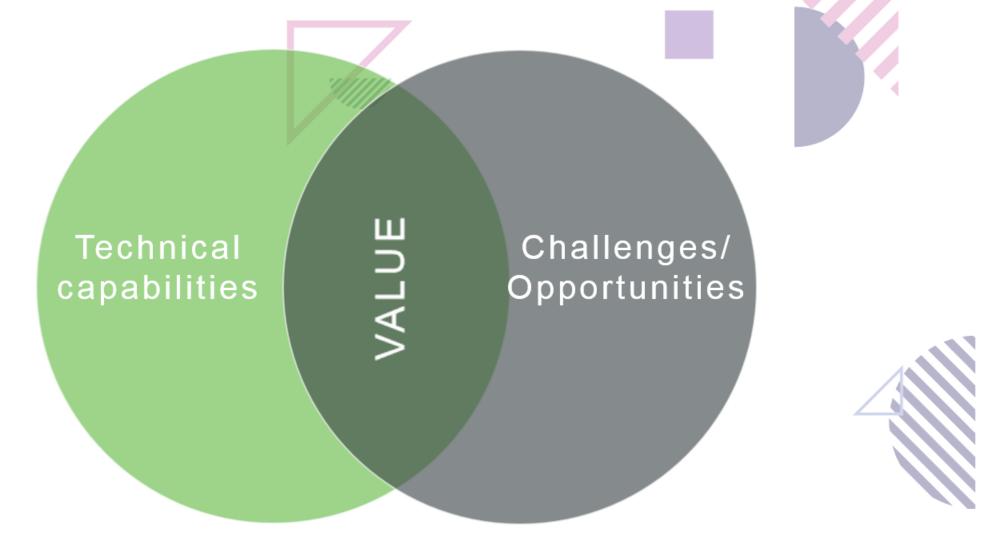
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source: cbinsights.com

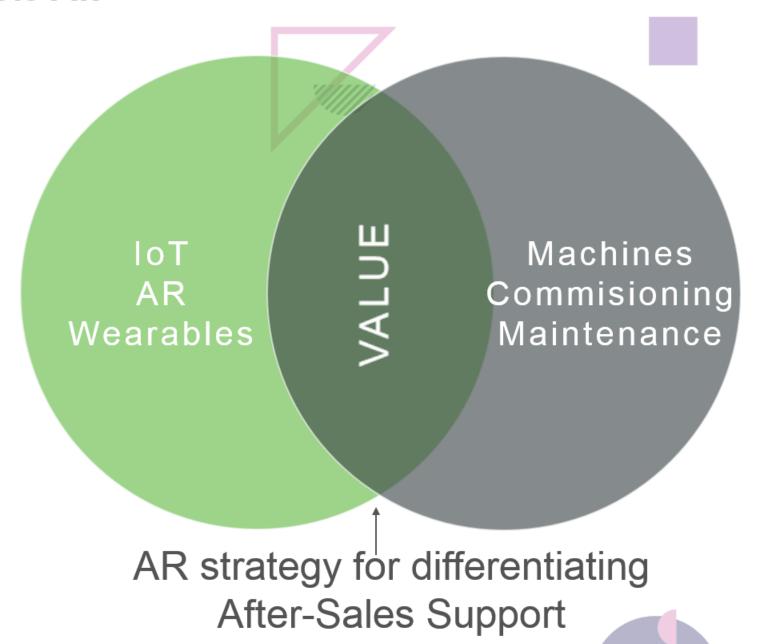
Cross the chasm faster



The way we do



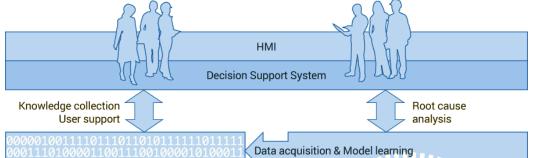
Where loT meets AR



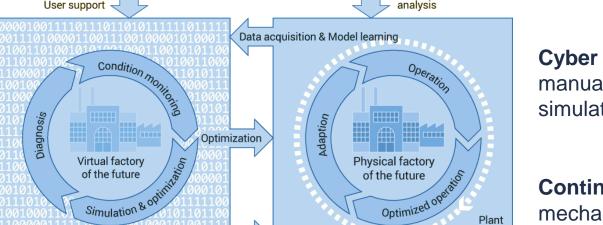
Where lot meets AR – IMPROVE project







Cyber-physical systems: rapid communication and feedback control of physical processes through intelligence mechanisms



Cyber replication of physical factory greatly extends manual capabilities for tasks such as optimization, simulation, condition monitoring and diagnosis.

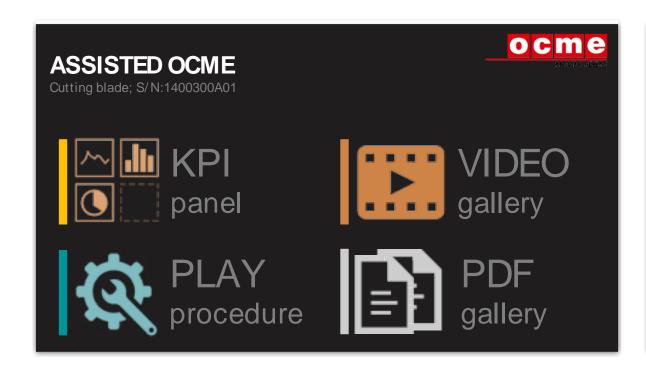
Continuous verification of results and self-learning mechanisms – autonomous adaption to real-life process requirements



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 678867.

life cycle

Where IoT meets AR – IMPROVE project

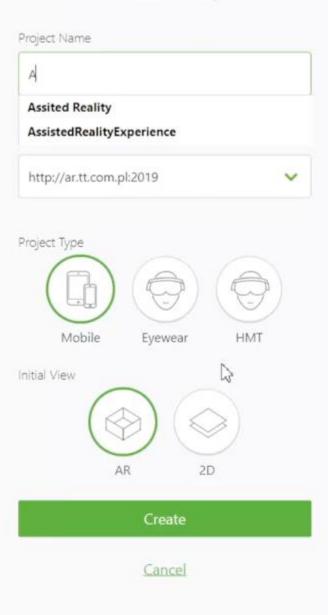






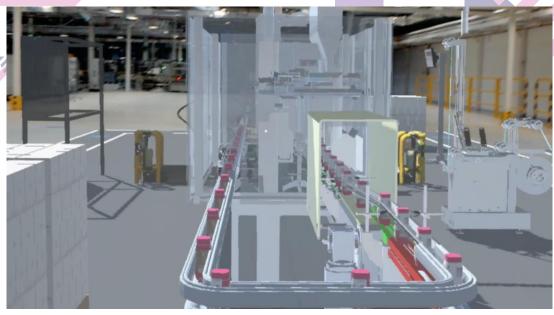


Create Project



Manufacturing Space Design



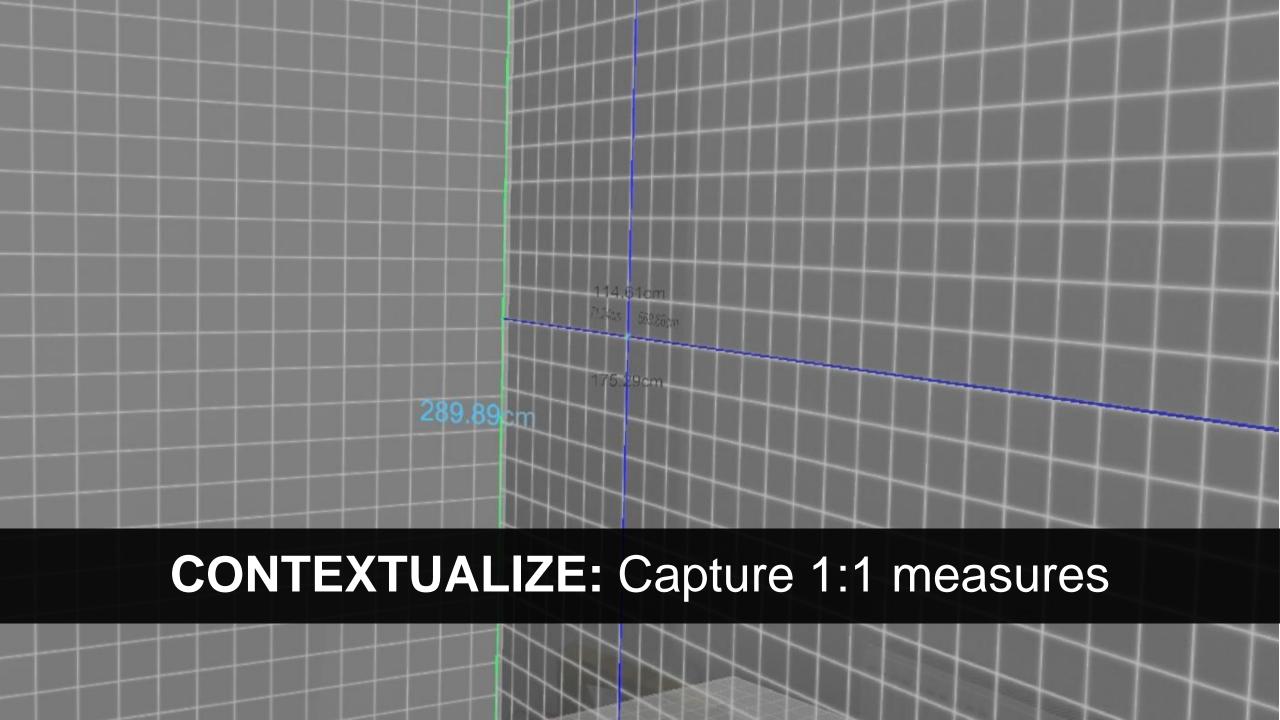


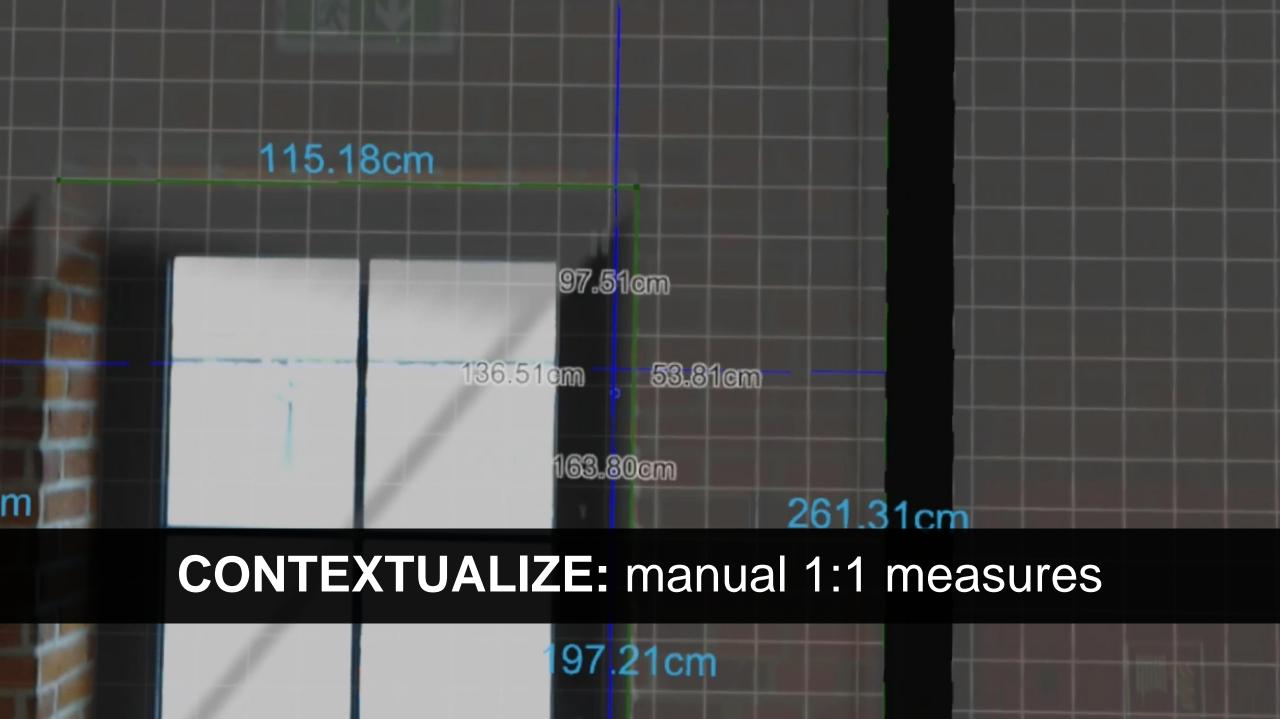
GOAL: Scan the manufacturing area to make measurements, arrange the space with machinery, design installations, check the ergonomics, visualize hidden installations, create procedures

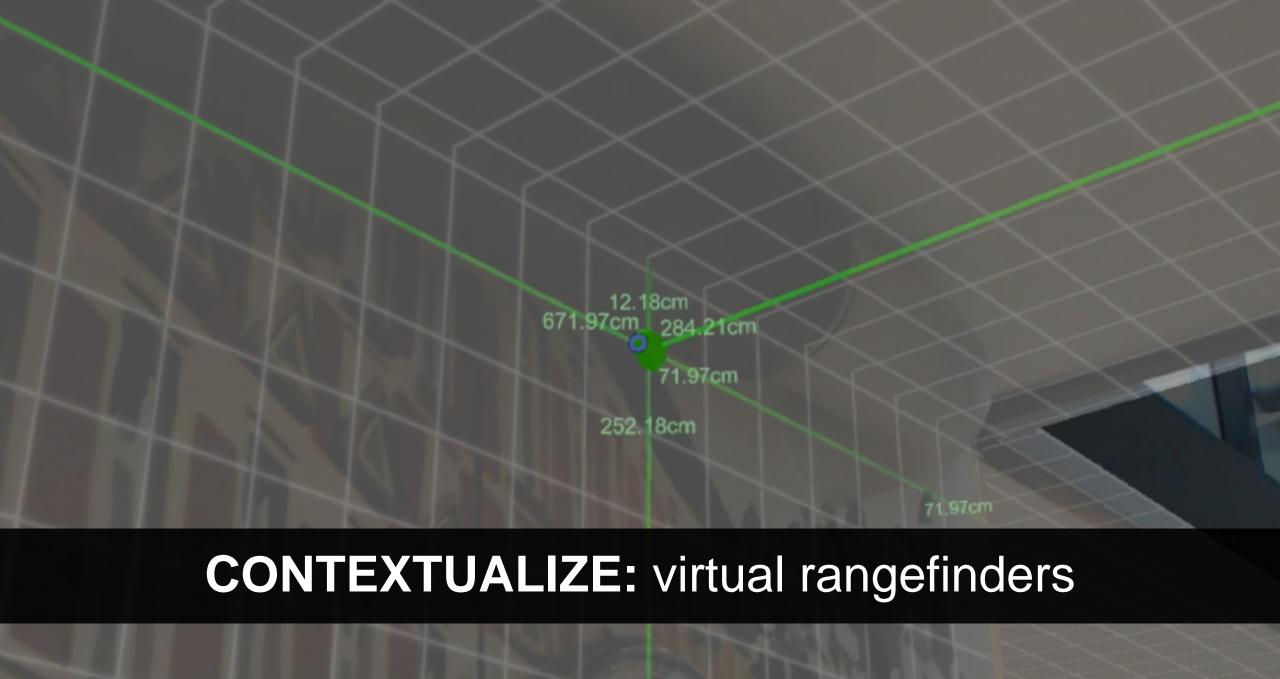
MECHANISM: Plant designers or facility layout planner wear head mounted displays can analyze the current status of facilities by registering positions of equipment/installations, generated with CAD models and explore optimal spatial layouts options for manufacturing and production

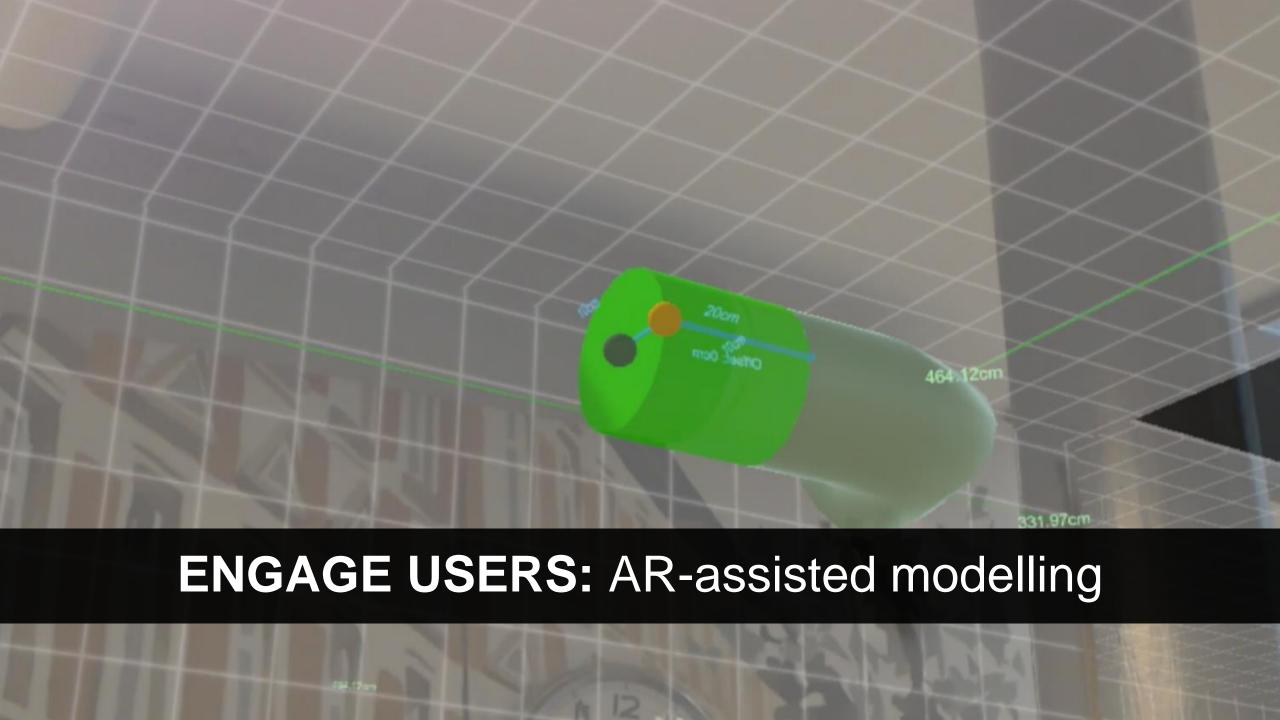


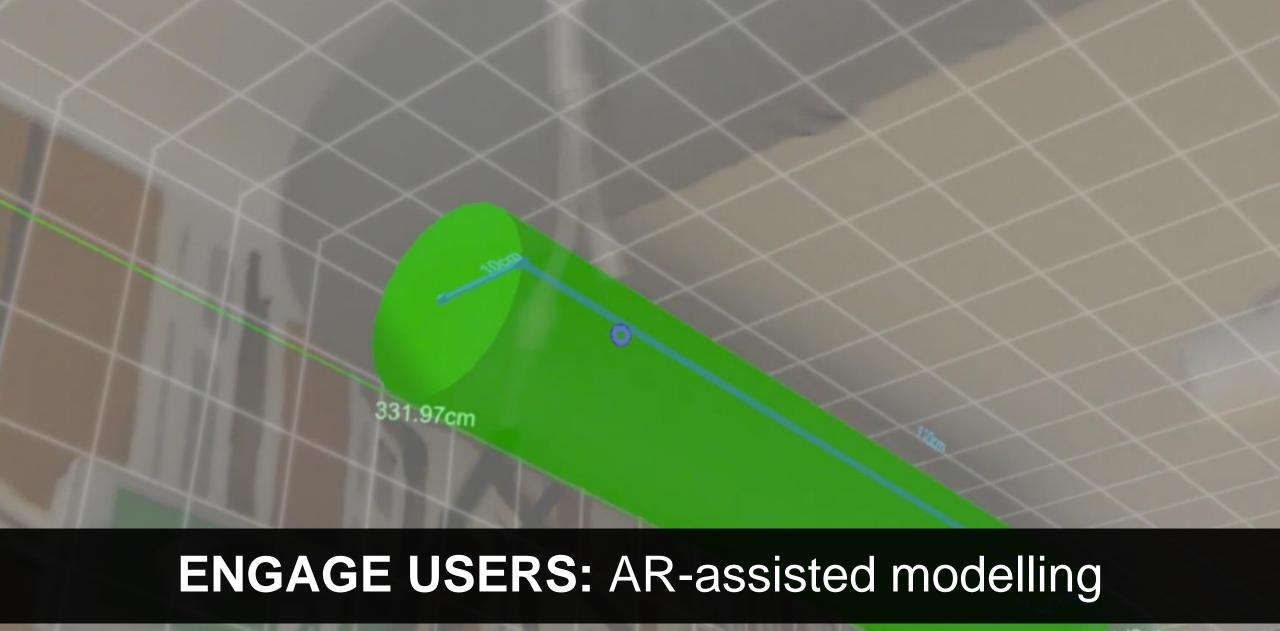
















MFG Space Design: AR-assisted layouting



FUTURE?



