



QUANTUM **SYSTEMS**

Intelligent Robotic Systems

Banking self-service terminals

Since 2010 we have installed 2000 exclusively designed Quantum devices



Industrial robots' advantages over humans

- Mathematical precision
- Reliability
- Indefatigability
- Long service life
- Uninterrupted work under different conditions



Areas of application

Banking sector solutions



Self-service
mini-office



Automated
recycling sector

Shaping and processing
of objects in space



Mobile topiary
complex

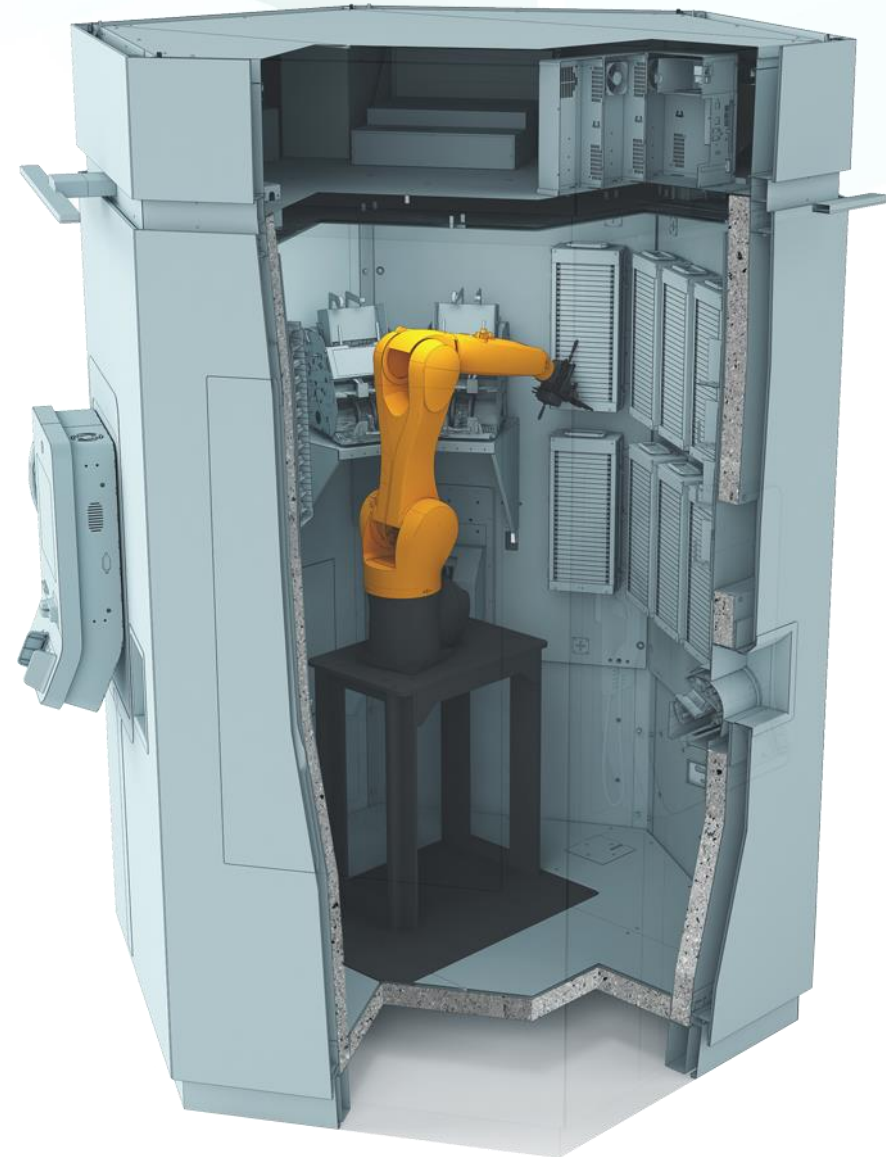
MonRo™

branch transformation

Universal
software
platform
MonRo

Industrial
robot
manipulator

Secure
valuables
vault



MonRö™

- Dynamic changes in functionality
- Component independence
- High capacity
- Safe valuables storage
- Advanced analytical capabilities

Precious metals



Cash transactions



Currency exchange



Document processing



Card reissue



Valuables storage



Mini-packages



Advanced gadgets



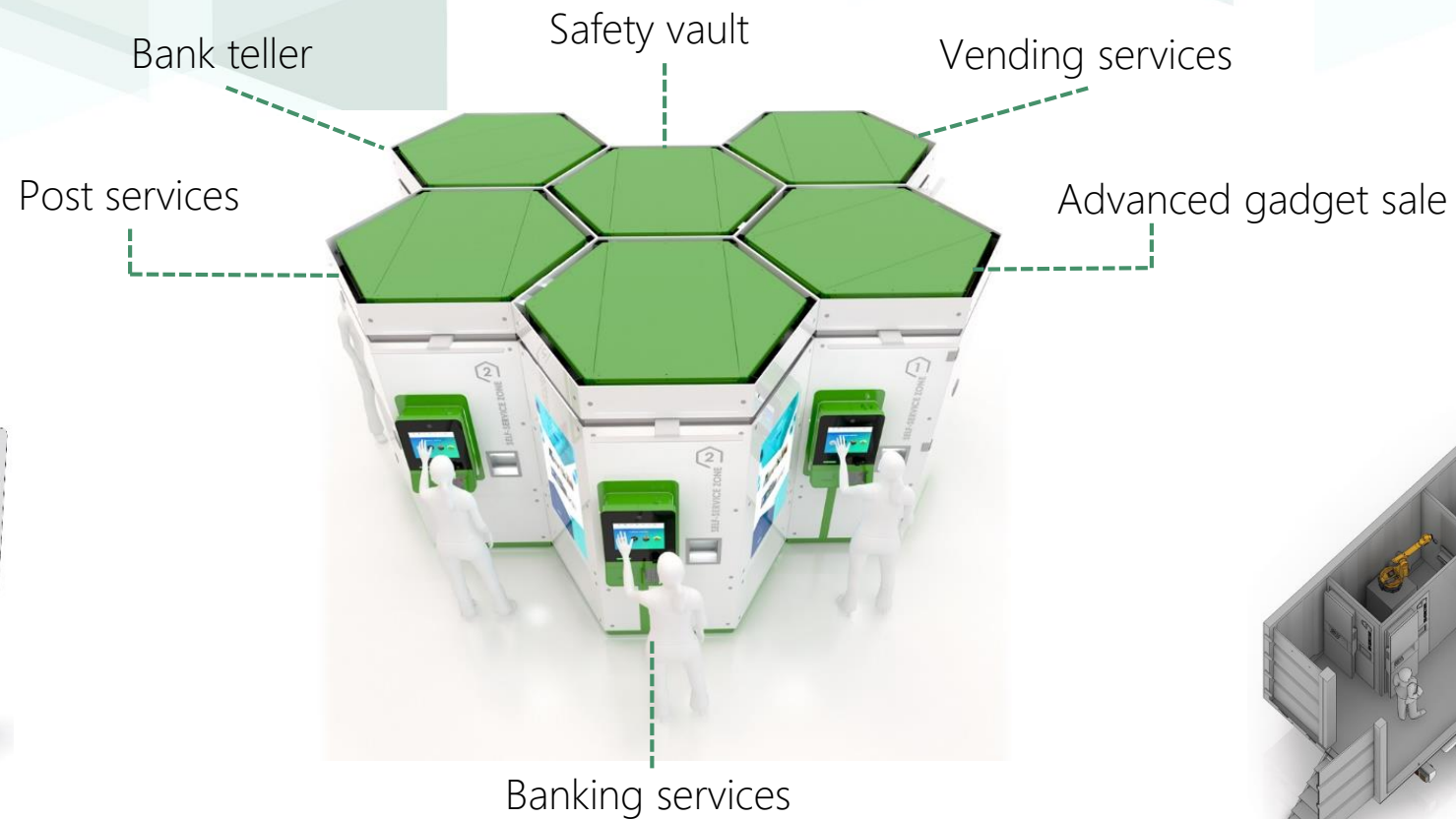
Car rental, valet



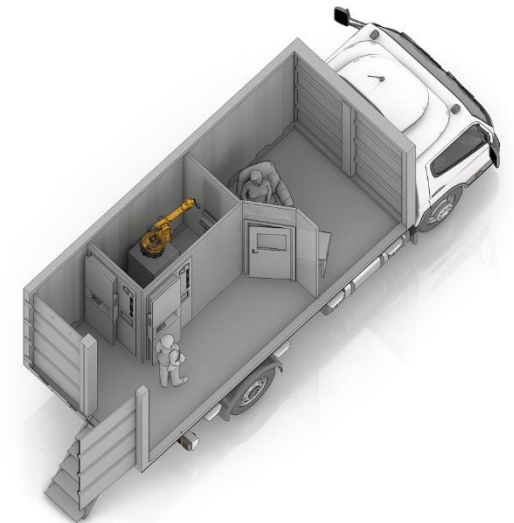
Data storage media



Modifiability and Scalability



Linear branch



Mobile branch

CashMaster

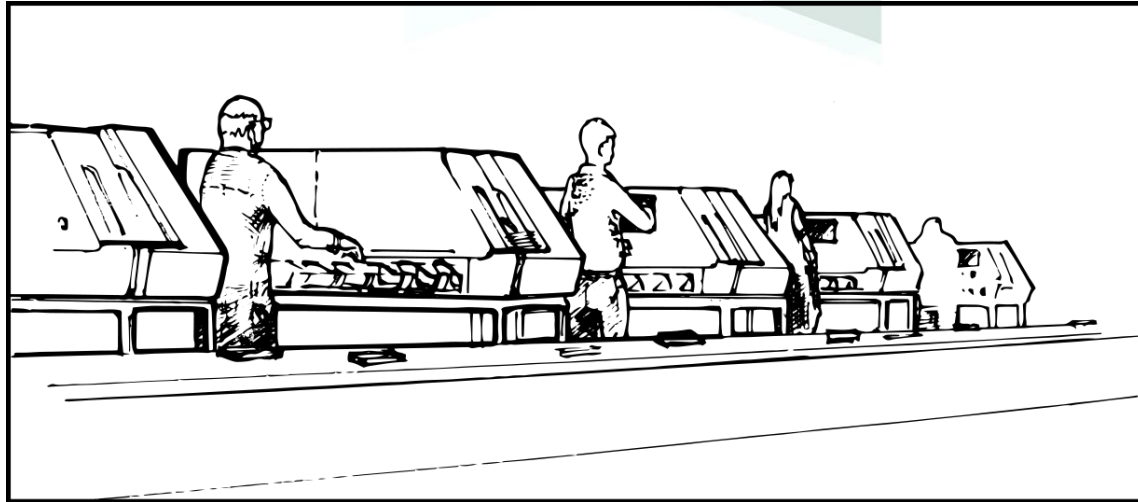


World's first robotic recounting sector

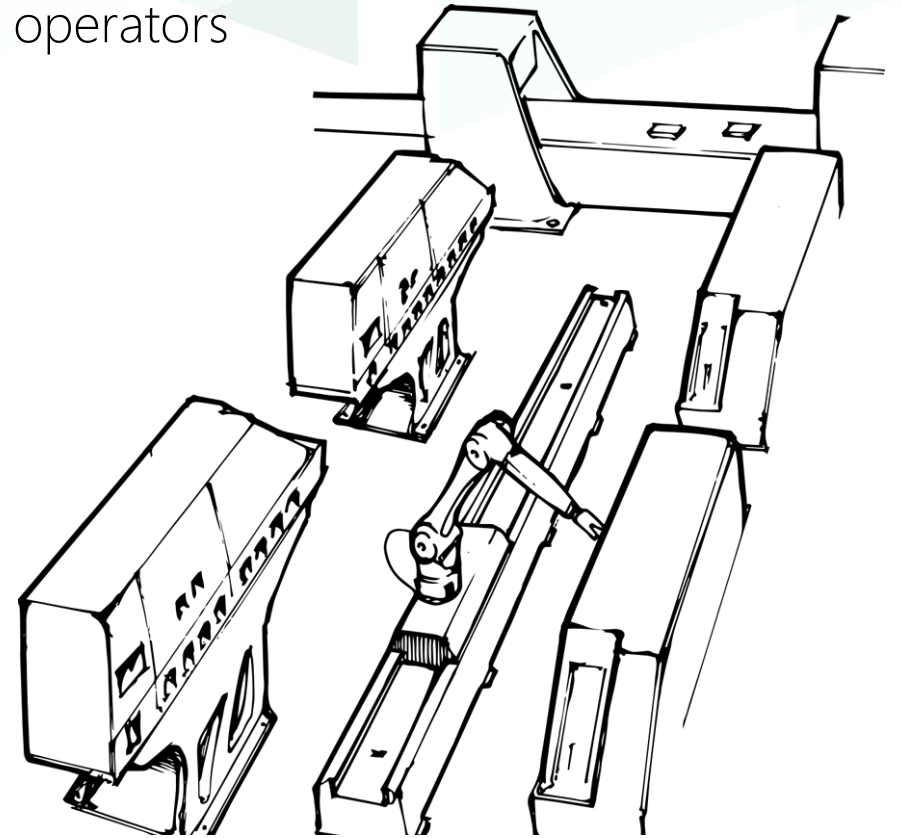
CashMaster - hardware-software robotic complex, ensuring control of robotic manipulator and banknote sorters and banding machines integration

Recounting sector's organization

CashMaster replaces the work of several banknote sorters' operators



Standard recounting sector



Automated recounting sector
CashMaster

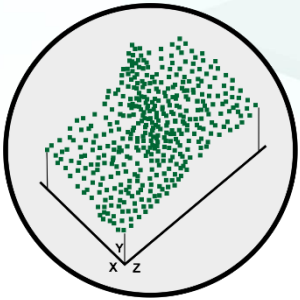
CashMaster

Advantages:

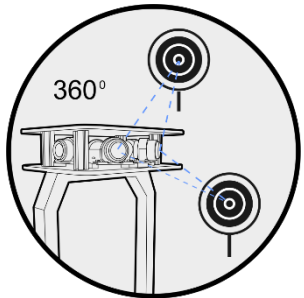
- No need to update equipment fleet
- Compact arrangement of the equipment
- High fault tolerance
- Increased recounting sector productivity
- Compatibility with the equipment of different producers
- Reducing costs and risks in banknote processing



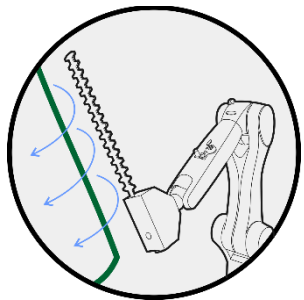
GARDY™



High-precision system of orientation in space based on 3D-clouds



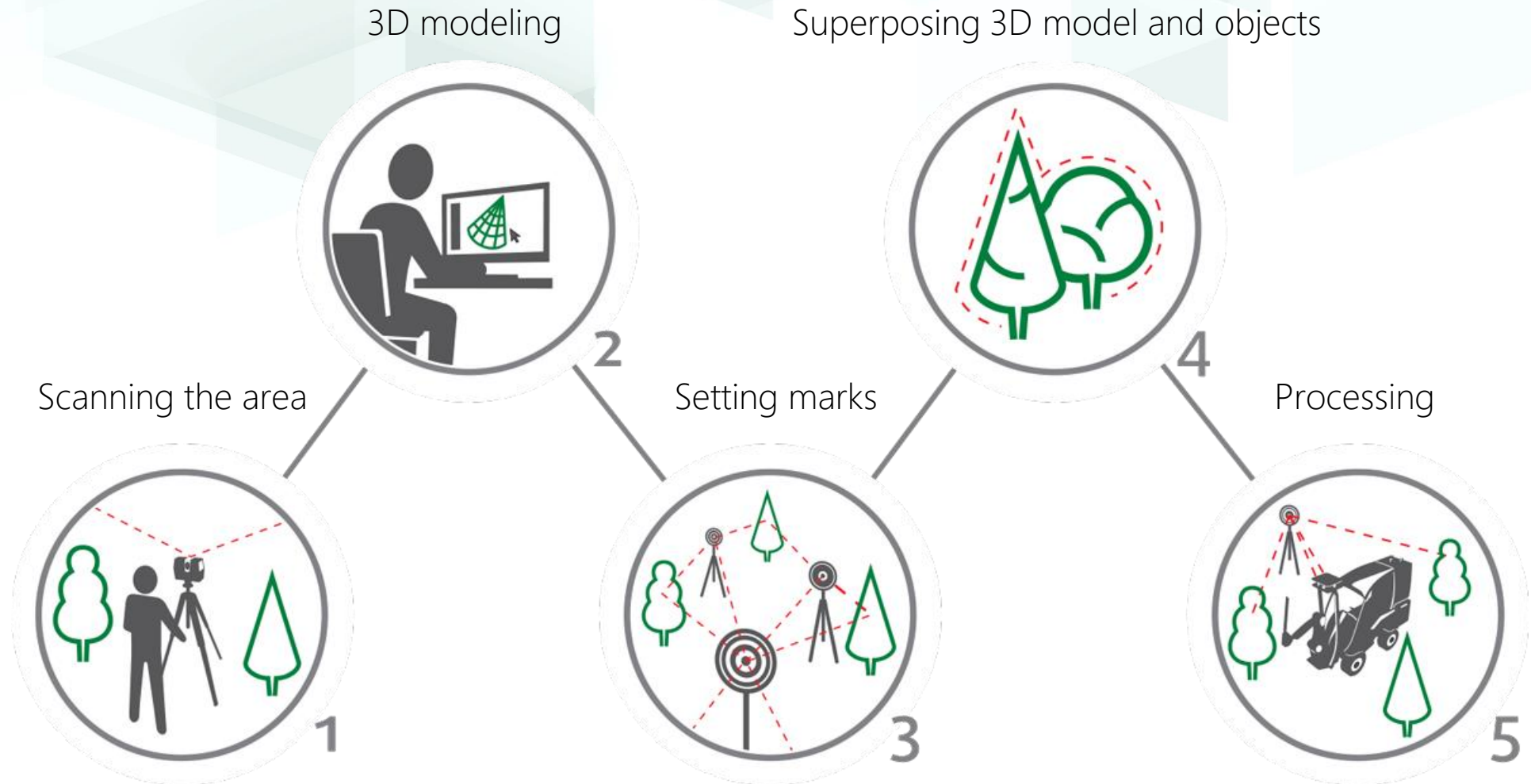
High-precision photogrammetric system of orientation in space



Real-time objects shaping and processing technology



How Gardy works



GARDY™

- Always treats even and punctual
- Easy creates identical structures
- Assigns a form of any complexity
- Tireless
- Works around the clock
- Compatible with any moving platform





- Extension of communication with the Skolkovo innovation centre. Gardy is considered to be a very promising project.
- Work performance in several large nurseries
- In 2017 we plan to attend international exhibitions such as «Garten Stuttgart»
- August 2016 – international gardening expo «Flowers 2016» in Moscow, where we won «Novelty of the Year» competition
- Expanding Gardy's technologies application areas (construction, agronomical needs, painting)



MonRo™

- October 2015 - first introduced to the Russian audience at the PLUS-Forum
- February 2016 - the largest Russian bank Sberbank presented MonRo at the Corporate Leaders' Forum to 1300 top managers
- February 2016 - introduced to the North American audience at ATMIA 2016, New Orleans
- June 2016 - we participated in the St. Petersburg international economic forum (SPIEF).
- October 2016 – banking and retail exhibition PLUS-Forum
- February 2017 - ATMIA USA's annual conference and expo, Orlando
- Functioning demo stands in offices in Moscow and Miami
- In 2017 we plan several pilot projects in cooperation with banks and retail sector



CashMaster

- June - August 2016 - a pilot project at Sberbank's largest Cash Centre.
- December 2016 – start of a replicable production of robotic cells for Sberbank and other leading banks
- Development of demo stands with examples of Sorter Machines from all the major manufacturers. This allows us to illustrate our solution's universal compatibility.
- Collaboration with other financial organizations – Central Banks, CIT, retail sector











QUANTUM
SYSTEMS

FRONT
OFFICE

3

SELF-SERVICE KIOSK

MonRo



QUANTUM
SYSTEMS

OWN YOUR

ATMIA
Let the Good Things



QUANTUM
SYSTEMS

QUANTUM
SYSTEMS

SELF-SERVICE ZONE



BEN FATTO.

8 BPM BEN FATTO. L'APPARECCHIO PIÙ PICCOLO
PIÙ TI METTE IN MOTO.

MonRo

GLORY

We Secure the Future

GLORY

in-tecl





QUANTUM SYSTEMS

We bring intelligence

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