



*Changing the traditional
work concept*

in the

RESTORATION
WORLD



PROBLEMS TO FACE

LABOUR

The way of restoration works in historic buildings has not changed for centuries. It is still based on human labour.
Human labour involves the risk of human error.
Human labour is not cost-effective.

DOCUMENTATION

Still mostly on paper, rigid, not integrated. Heritage buildings have no chance to get a proper unified data system.
The workflow suffers from lack of interdisciplinary communication.

RENOVATION SITE

Usually in the city centre. Noise and dust. A monument hidden from the eyes of tourists. Scaffolding and months without daylight for residents.

Europe is home
to the highest number
of cultural and natural
properties
assigned UNESCO's
World Heritage status
in the world.

THE DREAM



What if we moved the architectural restoration
towards the 5th industrial revolution?

What if we created:

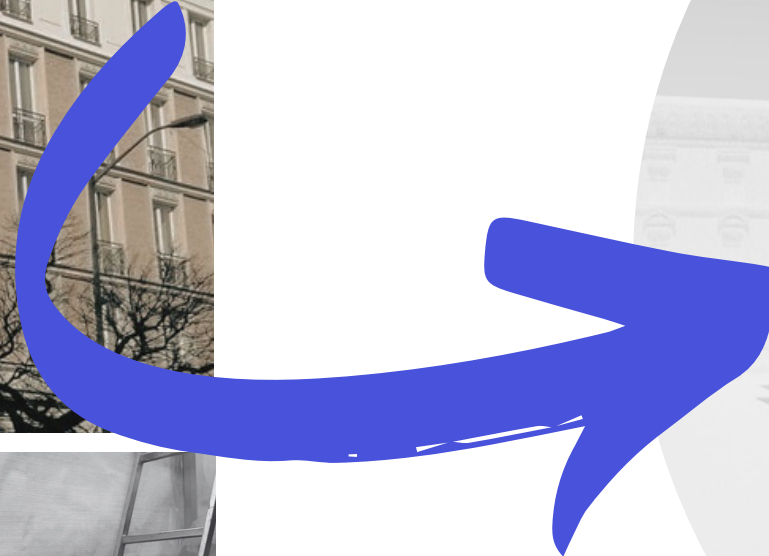
- a cleaner and healthier workplace
for people of all genders and abilities,
- less disruptive to residents, neighbours and tourists,
- and less invasive to the environment?

What if the restoration site became
pure green instead of dusty grey?

THE VISION



Click & listen



Click & listen



THE SOLUTION



A versatile masonry robot
with a diagnostics module
using ML and huge data resources

REVI SYSTEM 
➤ Robotics for Restoration



HOW DOES IT WORK



ReviEYE

SENSORY MODULE

ANOMALIES DETECTION

cracks, chipping, salinity,
dampness, plaster loosening,
decolorization, dirt

MATERIAL IDENTIFICATION

red brick, limestone brick,
sandstone, limestone, granite,
pine, oak

**STRUCTURAL CONDITION
& DEGRADATION ASSESSMENT**

VERSATILE 3D REPRESENTATION
for archives, facility management,
as a starting point for digital twin,
for virtual tours or urban spectral libraries



ReviAPP

ANALYTIC MODULE

'AS-BUILT' DOCUMENTATION

reliable, compatible with Historic BIM,
easy to share with other stakeholders

**INSTRUCTIONS for ReviROBOT
AUTOMATION WORKS**

precise, reliable, and supervised
by a specialist conservator

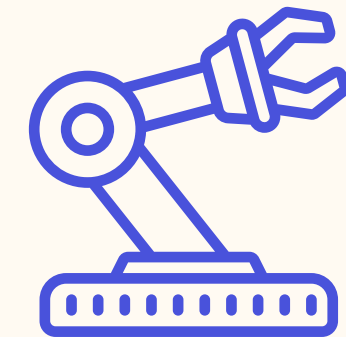
READY-TO-USE TOOLSET
for the surface treatment

SELF-POSITIONING

SELF-CORRECTION

NON-INVASIVE ANCHORING

DUST EXTRACTION MODULE



ReviROBOT

TREATMENT MODULE



SYSTEM BENEFITS

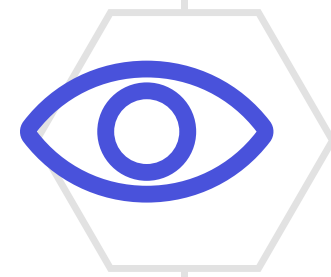


DATA COLLECTING

laser scanning = creating
a digital map of the building

- Reliable inventory and damage range information
- No inventory errors = no cost estimation errors
- Measuring complete with single equipment set-up
- Elimination of brutal intrusion into the historic material
3D scanner & multispectral camera instead of a hammer to examine damaged, eroded and peeling plaster
- Documentation of the historic building in a living digital form, easy to keep up-to-date

NEW STANDARD!

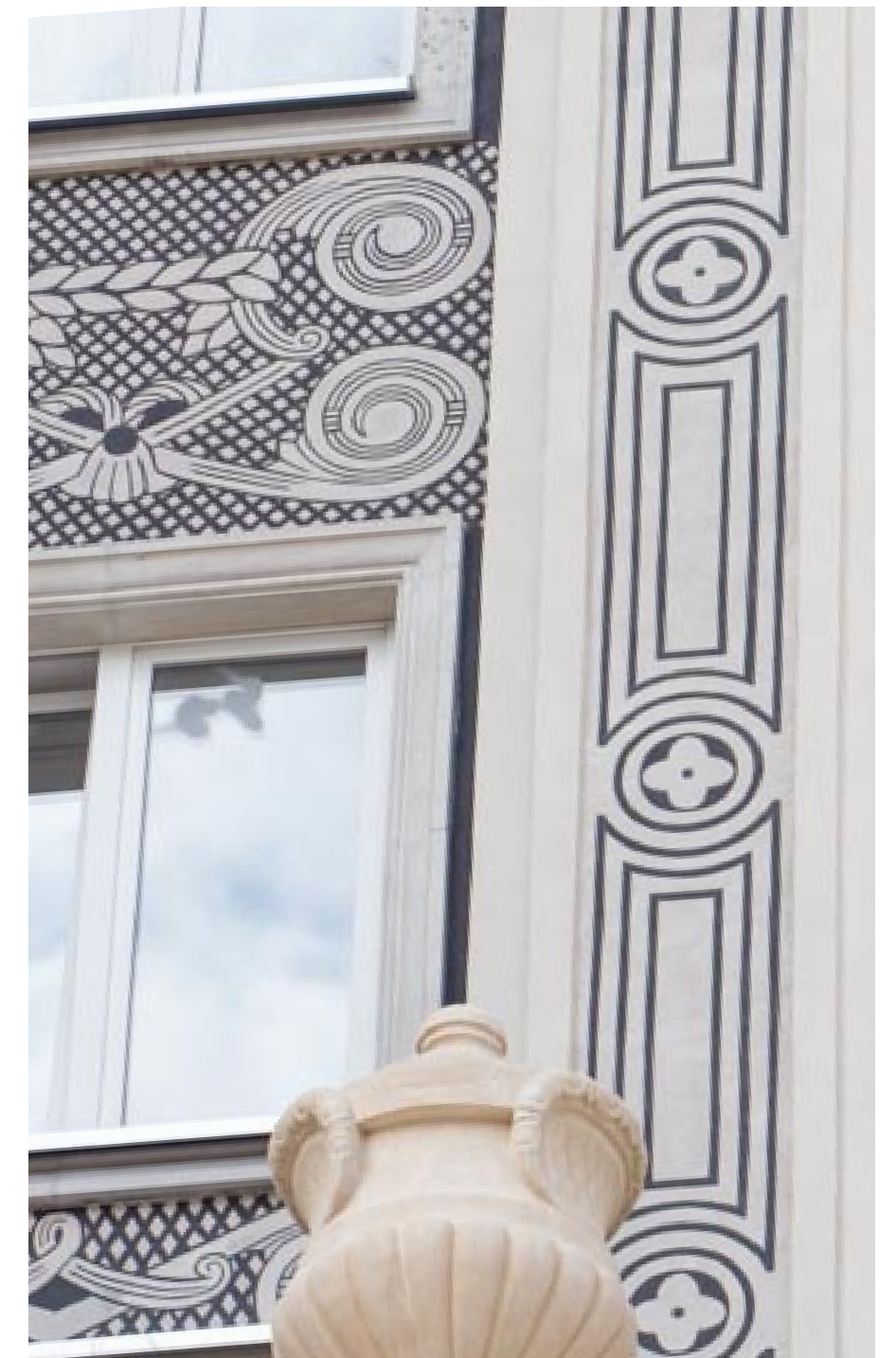


DATA ANALYSIS

data processing for
documentation purposes

- BUILDING'S PASSPORT instead of historic building inventory forms:
3 million data in digital form instead of 3 A4 pages
- qualitative change in the historic building documentation:
AHEAD OF TIME - "before the fire of Notre Dame"
FROM REAL DATA - not "Warsaw rebuilt from Canaletto's paintings"

NEW STANDARD!



SYSTEM BENEFITS



DATA PROCESSING

to plan out the restorative work

- a set of work parameters, necessary tools and materials for the conservator's approval

NEW STANDARD!

RESTORATION WORKS

the robotic machine at work on a construction site

- preparatory works carried out automatically: no risk of error, no work at height, no contact with chemicals, no scaffolding needed
- real-time remote monitoring
- inclusivity of works – gender, age or disability is no longer an issue

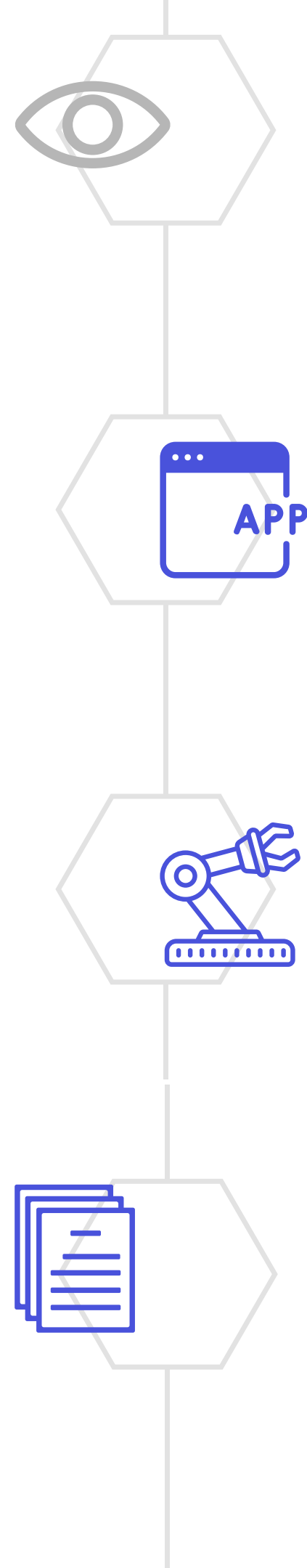
NEW STANDARD!

AS-BUILT DOCUMENTATION

final integration of restoration data into the BUILDING'S PASSPORT

- full documentation of a historic building
- with all the advantages of its digital form
update ability, remote access

NEW STANDARD!

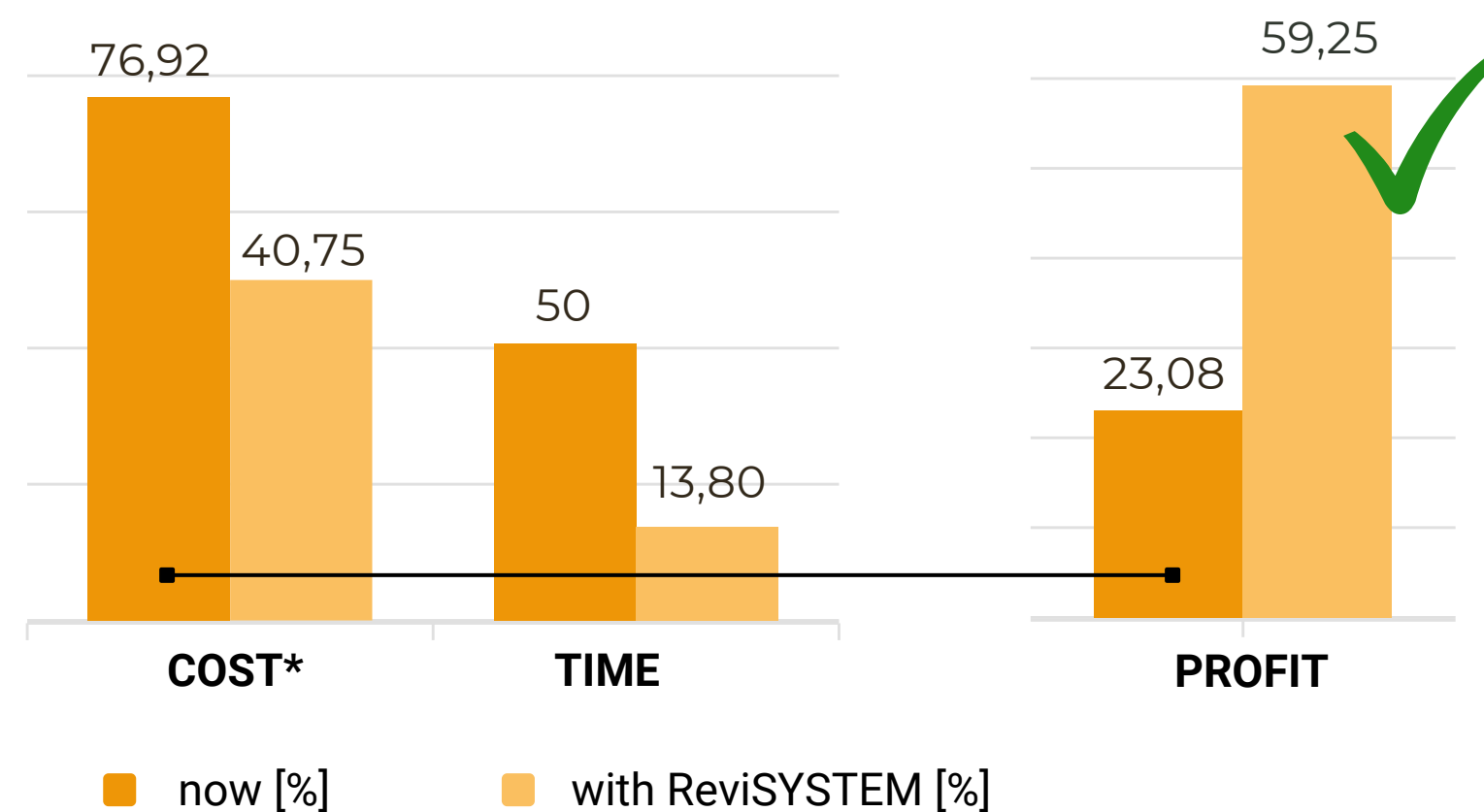


BUSINESS BENEFITS

REVISYSTEM 
Robotics for Restoration

WALL CONDITION SURVEY

Assessment preparation is 60% more profitable and takes 70% less time.



* The share of the diagnostic and calculation work carried out to date by the architect and that carried out by the application in the overall project budget.


ReviEYE
SENSORY MODULE


ReviAPP
ANALYTIC MODULE



BUSINESS BENEFITS

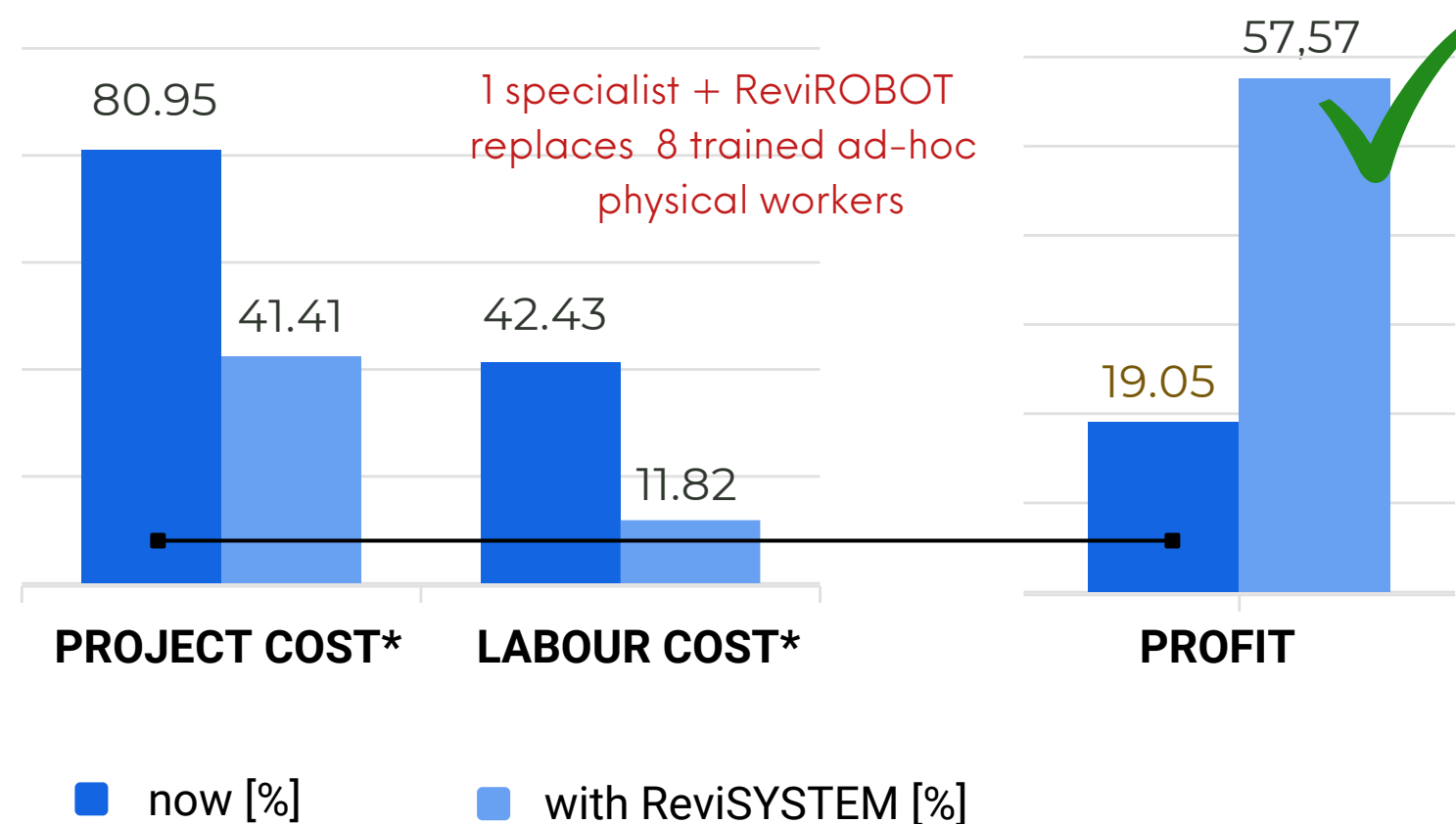


RESTORATION WORKS

Labour cost dropped by 70%


Project cost reduced by more than 50%

Profitability increased by 67%



* The share of the restoration work carried out to date in the traditional way and that carried out by ReviSYSTEM in the overall project budget.


ReviAPP
ANALYTIC MODULE


ReviROBOT
TREATMENT MODULE





THE MARKET

REVISYSTEM 
Robotics for Restoration

TAM

WORLD'S Refurbishment Sector

USD 4.9 trillion
revenue by 2027*

SOM

EUROPEAN Heritage Conservation Sector

Italy, Germany, Sweden, Poland**

There are c.a. 750 000 heritage buildings in Germany, Sweden, Poland, Italy + over 60 mln pre-1980 buildings, 217 000 companies (7% of 3.1 mln construction companies across the EU***) are involved in historic object renovation.

In targeted countries this makes c.a. 90 000 companies.

Provided that initially we capture the 2,5% of the market (innovators), we could possibly gain 2250 customers. Focusing further on our closest market – Germany, we may successfully target 595 companies.

The only limitation to seize that market is our production capacity.



This creates
demand to
restore

690

pre-1980 buildings by
a SINGLE company

...and nearly

90 000

potential CUSTOMERS
dealing with Historic
Building Conservation

* https://www.gminsights.com/industry-analysis/remodeling-market?utm_source=globnewswire.com&utm_medium=referral&utm_campaign=paid_globnewswire

** EU country selection based on Density of monuments in European regions & Proportion of pre-1919 dwellings in total dwellings in: <https://www.espon.eu/working-paper-cultural-heritage-as-well-as-ECSO-survey-2020-regarding-the-extent-of-3D-scanner-robotics-AI-and-BIM-adoption-in-Europe>



*** https://www.ec.europa.eu/application/les/9016/0190/8790/FIEC_Key_Figures_Edition_2020.pdf plus management estimate

THE REVENUES



IN TOTAL





Revi EYE	2026	2027	2028	2029	2030	2031	2032
Robot sales	280 920 €	702 300 €	1 825 980 €	3 090 120 €	4 635 180 €	6 320 700 €	8 006 220 €
Technical reviews	4 000 €	32 000 €	96 000 €	240 000 €	456 000 €	768 000 €	1 176 000 €
ReviAPP subscriptions	52 176 €	182 616 €	521 760 €	1 095 696 €	1 956 600 €	3 130 560 €	4 617 576 €

 
IN TOTAL
 39 190 404 €

Revi MINI	2026	2027	2028	2029	2030	2031	2032
Robot sales	889 914 €	2 669 742 €	7 712 588 €	13 052 072 €	19 578 108 €	26 697 420 €	33 816 732 €
Technical reviews	15 000 €	90 000 €	330 000 €	870 000 €	1 680 000 €	2 850 000 €	4 380 000 €
ReviAPP subscriptions	117 391 €	469 565 €	1 486 956 €	3 208 696 €	5 791 305 €	9 313 044 €	13 773 914 €

 
IN TOTAL
 148 792 450 €

Revi MAX	2026	2027	2028	2029	2030	2031	2032
Robot sales	628 804 €	3 144 020 €	8 174 452 €	23 265 748 €	41 501 064 €	56 592 360 €	71 683 656 €
Technical reviews	0 €	105 000 €	385 000 €	1 120 000 €	3 010 000 €	5 740 000 €	9 310 000 €
ReviAPP subscriptions	42 260 €	253 565 €	802 956 €	2 366 609 €	5 155 827 €	8 959 306 €	13 777 046 €

 
IN TOTAL
 256 017 676 €



TOTAL SALES:
 444 000 531 €

THE REVENUES



	2025	2026	2027	2028	2029	2030	2031
INCOME	2 030 466 €	7 648 808 €	21 335 693 €	48 308 941 €	83 764 084 €	120 371 391 €	160 541 145 €
COSTS	4 070 755 €	7 861 293 €	19 881 051 €	38 526 007 €	63 800 466 €	8 4392 709 €	10 4919 255 €
THE PROFIT	-2 040 289 €	-212 484 €	1 454 642 €	9 782 933 €	19 963 618 €	35 978 682 €	55 621 890 €

IN TOTAL

444 000 531 €

323 451 538 €



CUMULATIVE PROFIT

20 548 992 €

BUSINESS ENVIRONMENT



Companies working on similar complex solution but in construction business

Okibo

Canvas

Baubot

Haus Bots

Drone Spray

Building survey companies

H+R Hutton+Rostron

Buildgest

Aerial Cam

Geosense

Arnold Bartosch Ltd

Renowned restoration companies

Heritage Conservation Restoration Ltd

Monument Service

Haigney Restoration Ltd

Oldstone Conservation Ltd

John Canning & Co.



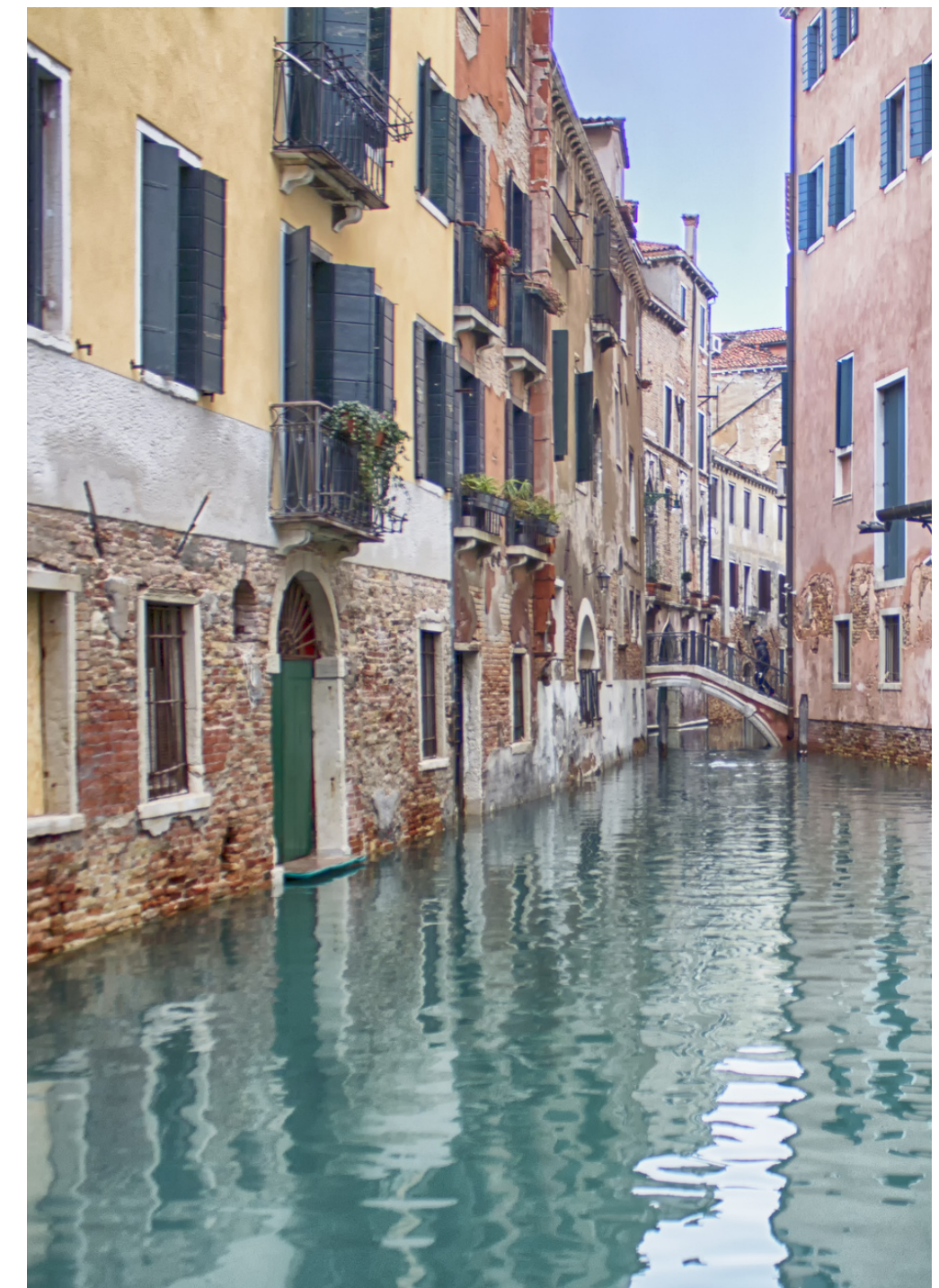
lack the know-how we offer



targeted clients



targeted clients



AND YES, WE CAN DO IT



Krystyna
Czajkowska

Manager, practitioner with over 10 years of experience in the development of the company from start-up to mature organization & over 20 years of experience in conservation. Head of the company for over 10 years. She also completed postgraduate studies in Leadership, Entrepreneurship, Partnership at the Warsaw School of Economics.

ReviSYSTEM's Chief Relations Officer.



Julia
Wadzyńska

MA in art history at UKSW in Warsaw, graduated from Arti Visive at the University of Bologna (Italy) and from the Birbeck University of London in Arts Policy and Management. She has 10 years of practice in developing conservation documentation for Polish and international projects. Responsible for the preparation of the standard of conservation documentation for the system.

ReviSYSTEM's Technology Transfer Officer.



Michał
Wadzyński

Manager, an expert with 12 years of experience in multinational teams management, logistics & business processes optimization, Revita Art's first choice collaborator for over 10 years.

Responsible for logistics, project's conceptual management, as well as making the developed solutions practical.

ReviSYSTEM's CEO.



Sławomir
Czajkowski

Manager, a practitioner with over 17 years of experience in corporate, product, brand & crisis PR management, leading interdisciplinary teams.

Responsible for communication, market & business development, head of publicity & marketing.

ReviSYSTEM's CMO.



Rafał
Perz

Entrepreneur, Engineer, Inventor, Warsaw University of Technology. Professor, R&D Consultant. Chief Structural Engineer, participant of many R&D projects carried out by companies and research bodies.

ReviSYSTEM's CTO.



Jerzy
Rapcewicz

Automation specialist with research and implementation experience, designer of machine control systems, fascinated with innovations in robotics, enthusiast of digitization and robotization in the service of humans. PhD candidate at the Warsaw University of Technology.

Head of ReviSYSTEM's R&D team.

ReviSYSTEM TEAM