ICONS IMPACT STORIES

BUILDING A MORE INCLUSIVE CONSTRUCTION SECTOR

WORKER-FRIENDLY TECH ON THE RISE

- AUTONOMOUS & TELEOPERATED VEHICLES
- UAV PLATFORMS
- EXOSKELETONS
- WEARABLE ERGONOMIC MONITORING
- 3D PRINTING
- AI-SUPPORTED DIGITAL TWIN

KEY RESULTS

FROM TECHNOLOGY TO PEOPLE

A24 MOTORWAY TEST SITE, ITALY

↑ 20% PERCEIVED SAFETY

↓ 13% FUEL USE AND EMISSIONS

1 STUDY

89 CONSTRUCTION PROFESSIONALS

+18.3%
PERCEIVED SATISFACTION
Compared to baseline measurements

+18.8%
PERCEIVED PERFORMANCE
Over the initial assessment

+16.5%
MOTIVATION
When carrying out specific tasks

MAKING KNOWLEDGE TRAVEL

FROM EVIDENCE TO ACTION

CAN TECHNOLOGY HELP CLOSE THE GENDER GAP IN CONSTRUCTION?

INSIGHTS & RECOMMENDATIONS
FOR POLICYMAKERS, INDUSTRY AND TECH DEVELOPERS

WHITE PAPER FINDINGS

THREE THINGS STOOD OUT

WOMEN'S BARRIERS AND SECTOR PRIORITIES DO NOT FULLY ALIGN
Organisational challenges dominate sector priorities, while cultural barriers weigh most heavily on women's entry.

TECHNOLOGY ADDRESSES BARRIERS, BUT NOT THE MOST CRITICAL FOR WOMEN
Technology helps overcome physical and organisational barriers, while its potential to reshape perceptions remains underexplored.

HOW TECHNOLOGY IS DEVELOPED AND INTRODUCED SHAPES ITS INCLUSIVE POTENTIAL
Inclusive outcomes depend on decisions about design, training, access and governance, not just technological capabilities.

Sources: TRIAL RESULTS – BEEYONDERS Innovation Handbook (2026);
SURVEY AND FINDINGS – White Paper "The Role of Innovative Technologies in Addressing Gender-Related Barriers in the Construction Sector", Tech4EU Construction Cluster, May 2026.