



Constructing the Future: Bridging Generations and Technology in the Construction Industry

Opening Remarks



Experience, Innovation, and Youth: Collaborating for Construction Success

Today, we explore the dynamic interplay of experience, innovation, and youth in the construction industry. This presentation explores the pivotal role of collaboration between seasoned veterans, tech companies, and the tech-savvy younger generation.

Throughout this presentation, we will delve into the specific roles and challenges faced by seasoned veterans, the unique perspective and contributions of the tech-savvy younger generation and disruptive influence of tech companies.

Join us as we explore how each group can collaborate effectively to drive innovation and progress in the construction landscape.

Unveiling Construction Mastery: A Foreman's Story



SEASONED PROFESSIONALS IN CONSTRUCTION



UNMATCHED EXPERTISE

Seasoned veterans in the construction industry bring invaluable experience and expertise, honed through years of practical knowledge and problem-solving skills



MENTORSHIP & KNOWLEDGE SHARING

Beyond their technical prowess, seasoned veterans play a pivotal role in mentorship and knowledge sharing, fostering a culture of continuous learning and professional development within the industry.



CHALLENGES IN TECH ADOPTION

Approximately 25% of the workforce is 55 years or older. Significant portion of older construction workers who need to adopt technology for the organization to be successful in digital transformation.

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CHANGE MANAGEMENT

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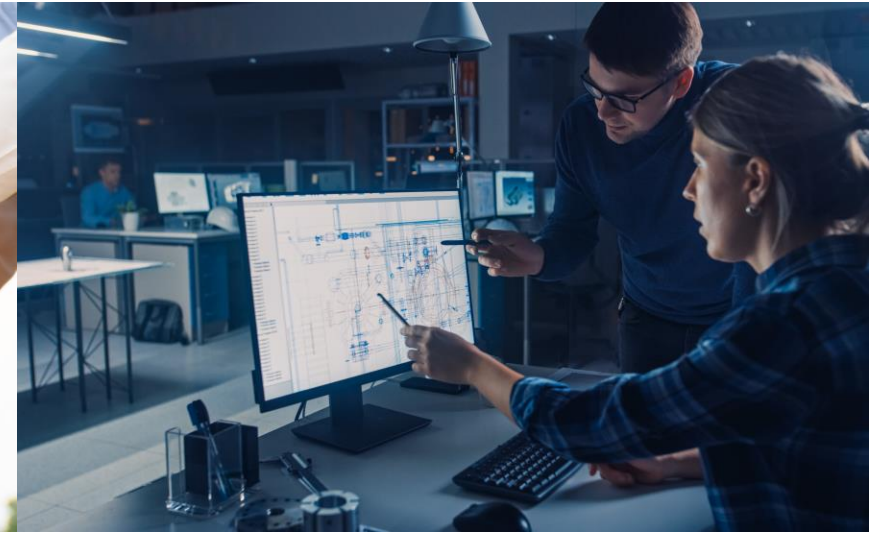
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TECHNOLOGY TRAINING

There is an abundance of resources, now more than ever. However, lack of digital skills is still reported as the biggest barrier to the success of digital adoption. Traditional training delivery is not working.

POTENTIAL OF TECH-SAVVY GENERATION



DIGITAL FLUENCY & PROBLEM-SOLVING

The tech-savvy generation represents a new breed of construction professionals who thrive on digital fluency and creative problem-solving. They harness cutting-edge technologies to optimize project outcomes and enhance efficiency.

THE PROFOUND SHIFT IN CONSTRUCTION

There is a profound shift happening with youth in construction rising to the forefront. It's clear that unless construction business are willing to attract young talent there is a huge risk in widening skill gap and overall decline in productivity and competitiveness.

INFLUENCE IN TECHNOLOGY ADOPTION

Influence organizational technology adoption through their natural affinity with digital tools, early adoption tendencies, advocacy for user-friendly solutions, and potential to bridge generational gaps. Ideal candidate as a champion of tech transformation in an organization.

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They encounter frustrations related to outdated tools, limited integration with modern software, complex workflows, and slow performance. This hampers their ability to leverage their digital skills effectively.

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EFFECTIVE COMMUNICATION

Championing tech adoption requires effective communication that addresses resistance to change, addressing unfamiliarity with new technologies, explaining the value proposition clearly, and navigating differing learning styles and preferences.

DISRUPTIVE INFLUENCE OF DIGITAL TECHNOLOGIES

‘Driving Carbon Reduction in Construction: Innovation & Collaboration’



Key Points:

- The built environment contributes significantly to global greenhouse gas emissions and energy demand.
- RIB Software's iTWO costX solution introduces an embodied carbon calculator, integrating carbon accounting with cost estimation—pioneering a transformative approach.
- Tailor made to tackling operational and embodied carbon emissions, urging industry-wide collaboration.

Challenges & Solutions:

- Contractors struggle with accessing and interpreting embodied carbon data, hindering progress.
- Initiatives like Building Transparency's EC3 database standardize carbon reporting, facilitating informed decision-making.
- RIB Software partners with Building Transparency to enhance the EC3 database, enabling contractors to monitor and reduce carbon footprints efficiently.

Call to Action:

- Embrace sustainable technologies and methodologies to lead the construction sector towards a carbon-neutral future.
- Leveraging connected data and innovative tools, empower contractors to make informed, sustainable decisions that mitigate carbon impact.

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Organize co-discovery workshops where older veterans and younger workers come together to explore new technologies and gather insights on challenges faced in daily workflows.

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TAILORED MODULAR TRAINING BITES

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PANEL DISCUSSION LEARNINGS

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ADD AFTER PANEL DISCUSSION

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CLOSING REMARKS

DIGITAL TECH ADOPTION - SEASONED VETERANS CAN'T BE LEFT BEHIND

'You can teach someone tech– you can't teach significant construction experience that promotes critical thinking in constructability.'

TECH SAVVY GENERATION PLAY A CRITICAL ROLE IN BRIDGING THE GAP

Provide pathways for bi-directional mentorship to bridge the ever-growing gap of construction knowledge and digital skills

NORMAL PRACTICES AREN'T ENOUGH – WE NEED TO GET CREATIVE

Greater emphasis on tech organizations to help drive meaningful adoption through creative strategies such as promoting small pilots, co-creation workshops and tailored journeys



Building Better Together