

THE COST OF REWORK VS. THE SAVINGS FROM PINNACLE SERIES

Rework is a hidden killer in the AEC industries, where mistakes and miscommunications contribute to lengthy delays and ballooning budgets. The construction industry is hit especially hard, as discrepancies which aren't caught in earlier design stages of a project are especially costly during the execution phase.



THE COST OF REWORK

177 BILLION

The U.S. loses more than **\$177 Billion** each year in rework costs (Trimble)

Rework can account for as much as
5% of the contract value of a project (Procore)
30% of total U.S. annual construction is rework (Procore)



LEADING FACTORS OF REWORK



DESIGN ERRORS OR
DISCREPANCIES



COMMUNICATION
BREAKDOWNS



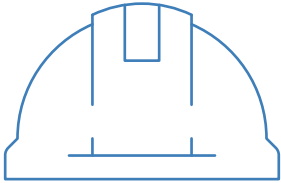
INADEQUATE
PLANNING



**LACK OF SKILLED
LABOR OR TRAINING**



MATERIAL OR
EQUIPMENT ISSUES



STRUGGLES IN THE CONSTRUCTION INDUSTRY

Many rework costs aren't discovered until they reach the final project phase, making this an especially thorny issue for the construction industry.

\$46 BILLION

LOST EVERY YEAR SIMPLY BECAUSE **TEAMS AREN'T ALIGNED** ⁽¹⁾

48%

ALL CONSTRUCTION REWORK IS DRIVEN BY
POOR COLLABORATION ⁽¹⁾

26%

ALL CONSTRUCTION REWORK IS DRIVEN BY
POOR COLLABORATION ⁽¹⁾

22%

OF CONSTRUCTION REWORK IS THE RESULT OF
INACCURATE OR INACCESSIBLE INFORMATION,
EQUATING TO **\$31 BILLION IN ANNUAL LOSSES** ⁽¹⁾



Inefficient knowledge sharing costs large businesses **\$47 Million** per year. (PRNewswire) Construction professionals spend more than **14 hours per week** on non-optimal tasks such as **searching for files, resolving formatting issues, or reconciling outdated documents.** (Autodesk)



THE PINNACLE SOLUTION

PINNACLE SERIES ADDRESSES THE ROOT CAUSES OF REWORK WITH ACCESSIBLE, SCALABLE, CUSTOMIZABLE TRAINING FOR THE AEC INDUSTRIES.



Quality Management

- o **Workflows** keep guidelines and internal standards alongside the work process, ensuring every box is checked.
- o **Best practice and compliance training** integrates within the flow of work so that employees can apply learning where it is directly relevant.
- o **Skill assessments** pinpoint knowledge gaps so that workers can receive training targeted to their needs.



Communication

- o **Standardized onboarding** ensures every hire receives consistent training so that no one falls through the cracks.
- o **Custom content** gathers the earned wisdom of the most experienced employees to better aid knowledge sharing.



Design Process

- o **Centralized information libraries** reduce the time employees lose searching for information or waiting for help by keeping high-quality resources within reach.



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SOFTWARE

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SOURCES

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