

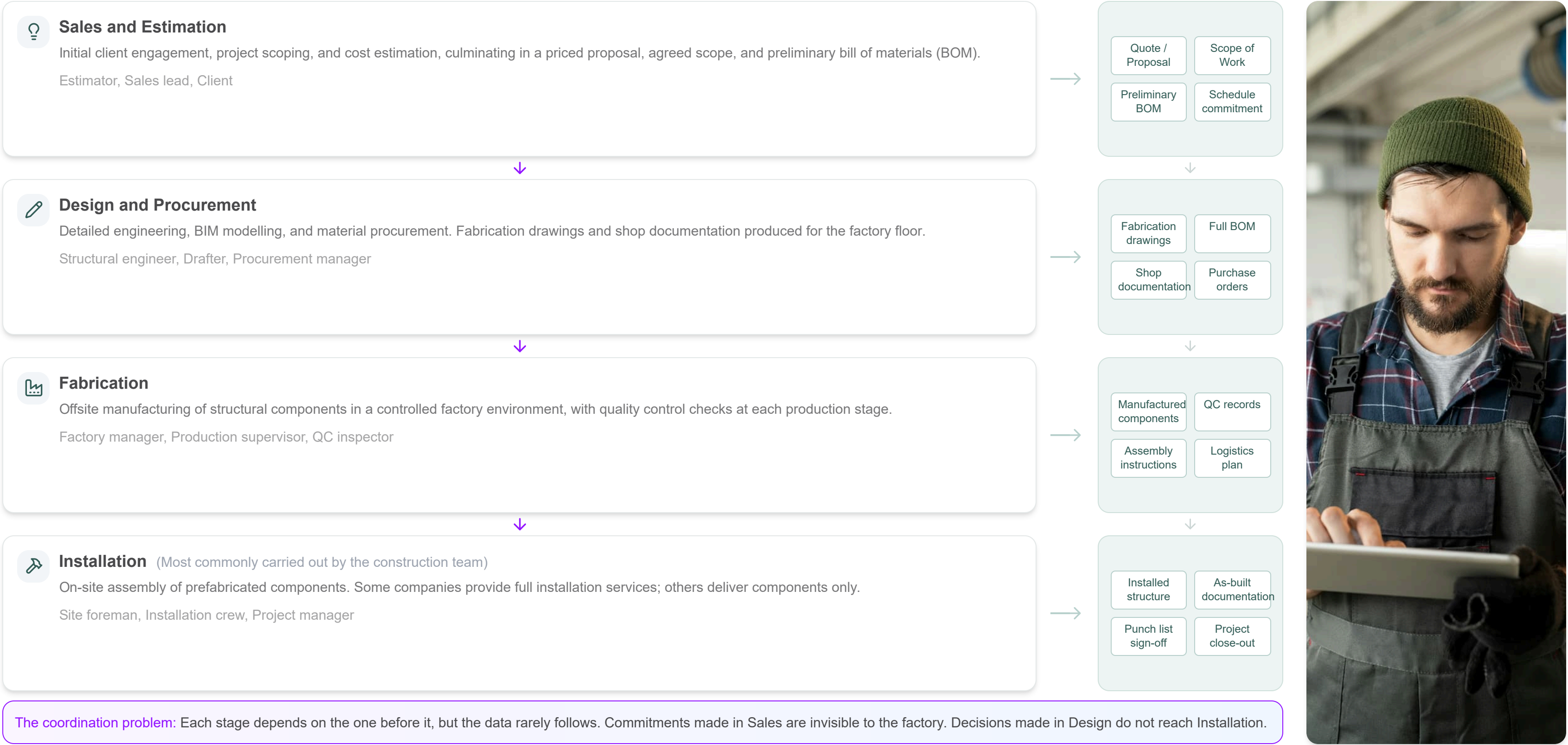


One connected model of delivery

Built for the offsite structural manufacturer

Typical Offsite Construction Workflow

From client enquiry to site handover, across a consistent four-stage project structure



The Current Tool Stack

Replace the commodity layer, integrate with the specialist tools that stay

Excel / Spreadsheets All stages	The connective tissue of every stage, and the source of most data loss. No workflow automation, version chaos across teams, and zero real-time visibility into project state.	Replace
FabTrol / Strumis Fabrication	Standalone production tracking for structural fabrication: material release, work orders, QC, and shipping logs. Valuable on the shop floor, but siloed from sales, estimating, and project management. Progress data never reaches the people who made the commitments.	Replace
Moducore Offsite ERP	Built for offsite production with CPQ and factory tracking. Project intelligence stays trapped in the system — historical performance data does not feed back into estimates, procurement, or HR. No cross-project learning mechanism.	Replace
Sage / QuickBooks / Xero Finance	Project costs are manually re-entered at job close, giving finance a lagging, incomplete picture throughout execution. Integration means job costing flows from Merit OI automatically, with no double-entry.	Integrate
Revit / Tekla / AutoCAD Design & Procurement	Powerful for drawing production and BIM, but outputs stay locked in the design tool. BOMs and fabrication drawings are manually transferred, introducing errors at the most critical handoff.	Integrate
Buildertrend Sales / Site	Adequate for residential project tracking, but disconnected from design data and shop floor reality. Gives the illusion of progress visibility without the substance.	Replace
Autodesk Construction Cloud Project Management / Site	Strong document management and project coordination for the site phase, but construction-centric by design. Factory production is invisible to it, and estimating lives in entirely separate systems. It solves information distribution only downstream of where margin is actually won or lost.	Replace
Procore Installation	Excellent for site document control, but factory-blind. Merit OI covers site tracking, document control, and progress reporting within the same integrated platform that runs your factory, closing the gap between what is built and what is recorded on site.	Replace
MS Project / Smartsheet Project planning	Static plans that go stale the moment they are published. No live factory capacity data, no connection to resource availability. Schedules are aspirational, not operational.	Replace

The approach: Merit OI replaces the commodity tools that silo your data, and integrates with the specialist systems — design and finance — that stay in place.

Who Feels the Pain

The roles who live the gap every day.



VP of Operations

The throughput owner

80–400 employees

"By the time I compile a capacity picture from multiple disconnected systems, it's already obsolete. Our monthly close takes 15+ days. I'm navigating with a rearview mirror, not a dashboard."

CURRENT TOOLS

Spreadsheets

Procore

Sage

KEY PAIN POINTS

- 49% of firms forced to transfer data manually between applications, introducing high error rates and latency (FMI/Autodesk)^[14]
- Mid-sized fabricators average a 14-day month-end close — vs 4.8 days for top performers (Numeric/APQC)^[15]
- Over 50% of labor time is classified as waste; craftspersons spend only 30% of time on actual building (CII)^[16]

MES implementations in fabrication shops deliver positive ROI within 12–18 months.^[7]



Project Manager

The handoff coordinator

40–300 employees

"35% of my week — 14+ hours — goes to chasing drawings, BOMs, and delivery dates. Without a central source of truth, coordinating handoffs is like herding cats."

CURRENT TOOLS

Buildertrend

Smartsheet

Email / Teams

KEY PAIN POINTS

- 13 hours/week spent by construction professionals searching for project data (Autodesk)^[8]
- 52% of rework caused by poor project data and miscommunication (Autodesk)^[8]
- 14% of all construction rework globally is caused by bad data (Autodesk)^[8]

Digital transformation increases productivity 14–15% and lowers costs 4–6% (McKinsey).^[9]



Sales / Estimator

The commitment maker

30–200 employees

"A single spreadsheet error throws off an entire quote. You win the job, then immediately worry about delivery and the true cost. Everything I know about past jobs lives in my head or a file no one else can find."

CURRENT TOOLS

Excel

Autodesk CC

Email

KEY PAIN POINTS

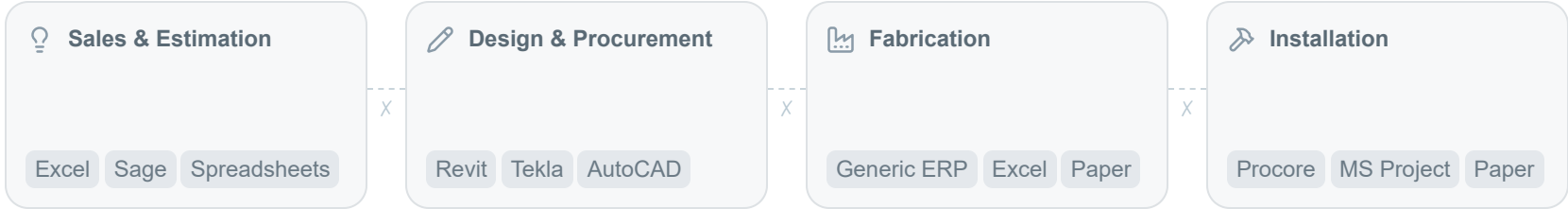
- 83% of construction firms say improving estimating accuracy is their biggest priority (KPMG)^[10]
- 99% of specialty contractors experience margin erosion during construction; average fade is 5% of project value (Dodge/Procore)^[17]
- 29% of firms cite inaccurate estimates as a primary cause of margin erosion (Dodge/Procore)^[17]


Integrated estimating linked to shop capacity: bid faster and bid more, without adding headcount.^[11]

The Transformation


One connected system across your whole workflow

Today




**The right information never reaches the right person**

Revised drawings travel by email. Updated BOMs sit in shared drives. Change orders reach some stakeholders and not others.

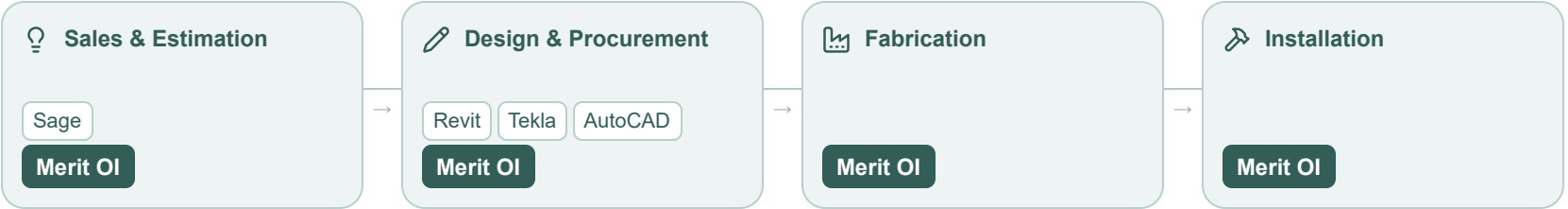
**Delivery dates are set blind**


The factory production queue is invisible to sales and project management. Commitments are made without knowing what the shop floor can absorb.

**Every project starts from scratch**


Whether a project overruns or performs well, there is no mechanism to understand why. Historical data stays locked in disconnected systems.

With Merit OI One system across the whole workflow




**The right information, to the right person**

Documents are uploaded against specific process steps and available to all who need them. Required documents gate stage progression.

**Commitments the factory can keep**

Resource planning models people, skills, and factory throughput in real time. Sales can commit to dates the shop floor can actually meet.

**Intelligence that compounds**

Every completed project builds institutional knowledge. Historical data informs future estimates, and margin predictability improves with every job.

What Merit OI Delivers

Merit OI gives offsite structural fabricators one connected workflow that generates deterministic cost and delivery forecasts at the point of spec, replacing the fragmented tool stack that causes margin leakage and turning every completed project into sharper estimates, more reliable commitments, and institutional knowledge that compounds.

THE STARTING POINT

One connected workflow

Excel, standalone ERPs, and disconnected PM tools replaced by a single platform. The right information reaches the right person at each stage. Sales commits to dates the factory can actually keep.

THE MEDIUM-TERM PAYOFF

Execution becomes measurable

Every executor's experience, delivery record, and calendar are tracked in one place, enabling assignment by merit rather than familiarity. Material and inventory inputs are rated by speed, cost, and post-delivery quality, so procurement improves with every order placed.

THE COMPOUNDING ADVANTAGE

Every project makes the next one sharper

Accumulated performance data feeds the whole organisation: procurement identifies which suppliers to favour, HR benchmarks salaries against delivery performance, and operations identifies which process variants produce the best margins. Institutional knowledge that stays in the business, not the individual.

Sources & References

All statistics cited in this presentation. Numbers correspond to superscripts throughout the deck. All sources accessed February 2026.

7

PipeCloud
What is the ROI of implementing an MES in pipe prefabrication?
pipecloud.fi/what-is-the-roi-of-implementing-an-mes-in-pipe-prefabrication

8

Autodesk Construction Cloud
100+ Construction Industry Statistics
autodesk.com/blogs/construction/construction-industry-statistics

9

Trimble Viewpoint (citing McKinsey)
The Cost of Doing Nothing: 5 Reasons Contractors Need to Modernize
[trimble.com/viewpoint: The Cost of Doing Nothing \(PDF\)](https://trimble.com/viewpoint/The%20Cost%20of%20Doing%20Nothing%20(PDF))

10

KPMG (via GoCodes)
2023 Global Construction Survey
gocodes.com/construction/project-management-statistics

11

SketchDeck
The Ultimate Guide to Steel Estimating: Best Practices for Fabrication Success
sketchdeck.ai/blog/the-ultimate-guide-to-steel-estimating

13

McKinsey Global Institute
Digital America: A Tale of the Haves and Have-Mores (MGI Industry Digitization Index)
mckinsey.com/mgi/overview/in-the-news/which-industries-are-the-most-digital

14

FMI Corp / Autodesk
Big Data and Digital Transformation in Construction
fmicorp.com/uploads/media/FMI_BigDataReport.pdf

15

Numeric / APQC
How Long Does Month-End Close Take? Benchmarks & Analysis
numeric.io/blog/how-long-does-month-end-close-take

16

Lean Construction Institute (citing CII)
Lean Construction / Integrated Project Delivery
leanipd.com/lean-construction

17

Dodge Data & Analytics / Procore
Top Business Issues for Specialty Contractors (2022)
mkt-cdn.procore.com/downloads/reports/top-business-issues-SCs.pdf