Proof before payment:

Construction Project Control

with ConstructPRO for Microsoft Dynamics 365 Finance

How tying budgets, contracts, quality inspections and retention to one work breakdown structure lets construction companies pay only for proven work.



One record from plan to payment

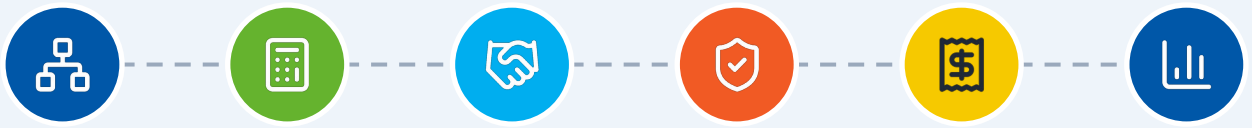
The bill of quantities drives the budget, the contract orders, the receipts and the invoices, so nothing is keyed twice.

Quality as a condition of payment

Work is received and invoiced only for the quantity that passed inspection, with retention held until the work is approved.

WBS & Budgets	Contract Orders	Quality Gates	Retention

THE CONSTRUCTPRO CONTROL CHAIN



In construction, money tends to move faster than proof. The system should reverse that.

Construction projects run on detailed bills of quantities, layers of prime contractors and subcontractors, and payments that should depend on work passing inspection, with part of each payment retained until sign-off. General project accounting tracks cost and billing, but it doesn't enforce that chain of evidence.

In a recent internal walkthrough, Brightpoint Infotech's team demonstrated ConstructPRO, its construction project management solution for Microsoft Dynamics 365 Finance, taking one project from creation to profitability reporting: a work breakdown structure that generates cost and revenue budgets, contract orders built from that structure, deliverables and quality inspections run through approval workflows, receipts posted only for accepted quantities, retention withheld on contractor invoices, and Power BI dashboards.

This paper explains each stage, the controls behind it and the reporting it produces.

Key takeaways

The WBS is the budget

Publishing the bill of quantities creates cost and revenue budgets for approval.

Contracts follow the plan

Contract order lines are transferred from the WBS, in full or in part.

Quality gates the money

Work that fails inspection can't progress; only accepted quantity is received.

Margin at task level

Profitability by project and task, plus three Power BI dashboards.

Who this paper is for

Finance directors, project controllers and operations leaders at property developers, prime and general contractors using, or evaluating, Microsoft Dynamics 365 Finance.

Why standard project management isn't enough

Standard project management in Dynamics 365 Finance supports planning, budgeting, cost tracking, billing and project reporting. Construction adds four demands that general project accounting wasn't designed for.

Detailed work breakdown

Bills of quantities with many lines, each with its own quantity, cost and price, tracked task by task.

Layers of contractors

Work is assigned to prime contractors, who may pass part of it on to subcontractors.

Quality before payment

Work that fails inspection shouldn't move forward, and shouldn't be received or paid for.

Retention

A share of each contractor payment is withheld until the work is completed and approved.

What ConstructPRO adds

AREA	WHAT CONSTRUCTPRO ADDS
Workspace and roles	Dedicated ConstructPRO workspace and role-based menus alongside the standard modules
WBS and bill of quantities	Manual entry, template export and import, or Excel through data management
Budgets	Cost and revenue budgets created on publishing the WBS, routed for approval
Prime contract orders	Lines from the WBS; subcontractor and vendor retention per line; PO released from the order
Deliverables and quality	Deliverables, quality inspections with test groups, and work submissions, all with workflows
Invoicing and retention	Automatic receipt for approved quantity; invoice schedule; retention withheld
Reports and dashboards	Profitability at project and task level, contract reports and three Power BI dashboards

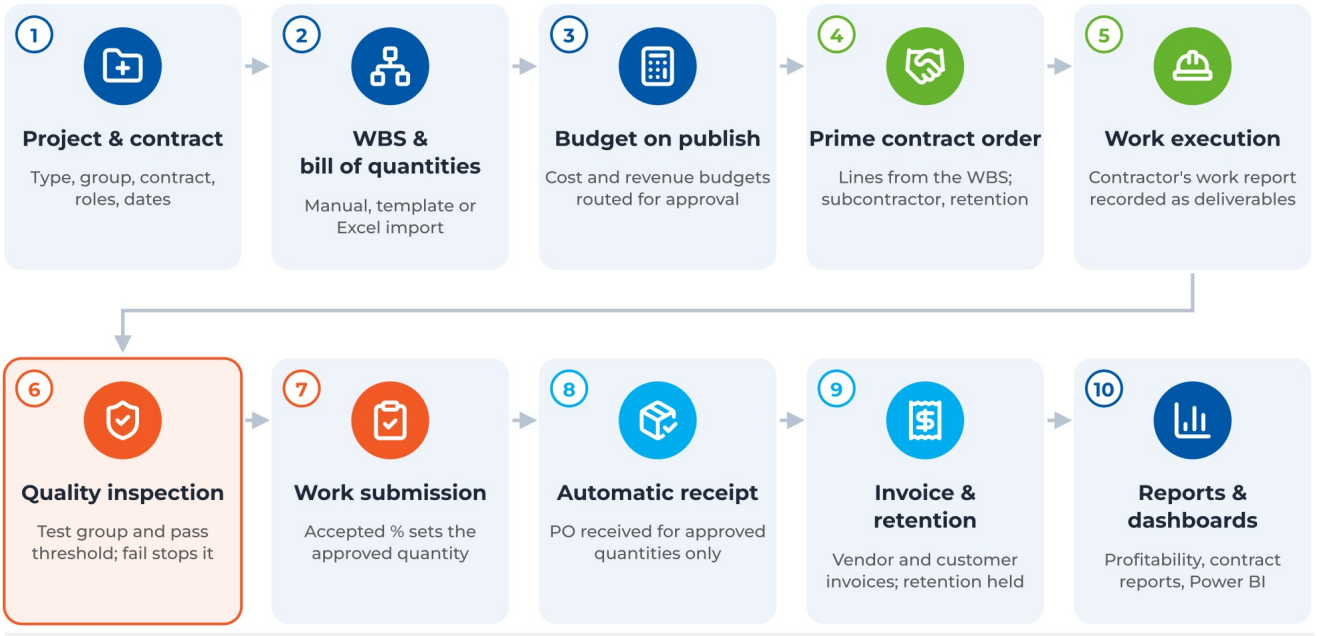
Source: Brightpoint Infotech internal demo “BPIT ISV: ConstructPRO Enhanced Processes”, 29 October 2026.

Ten stages, one record

The demo followed a single project, a multistory tower, from creation to reporting. Each stage hands verified data to the next, so nothing is keyed twice and nothing skips a check.

One controlled path from contract to cash

The ConstructPRO lifecycle in Dynamics 365 Finance, as demonstrated



A role-based process

Project manager and accountant

Create projects, contract orders and invoices, and oversee execution.

Deliverables team

Records the contractor's work report and confirms quantities.

Quality team

Inspects the work against a test group and accepts a percentage.

Approvers

Approve budgets, deliverables, inspections, submissions and customer invoices.

Notifications

Email or in-system notifications tell each team when it's their turn.

Setup

Parameters, workflows, contract classification and test groups.

Stages as presented and demonstrated, 29 October 2026.

Project setup

A new project is created inside ConstructPRO with its type, name, project group, the customer contract that governs it and the project manager. The ConstructPRO toggle is switched on automatically, giving the project access to the construction-specific features.

Roles on the project

Sales manager, project manager and project controller.

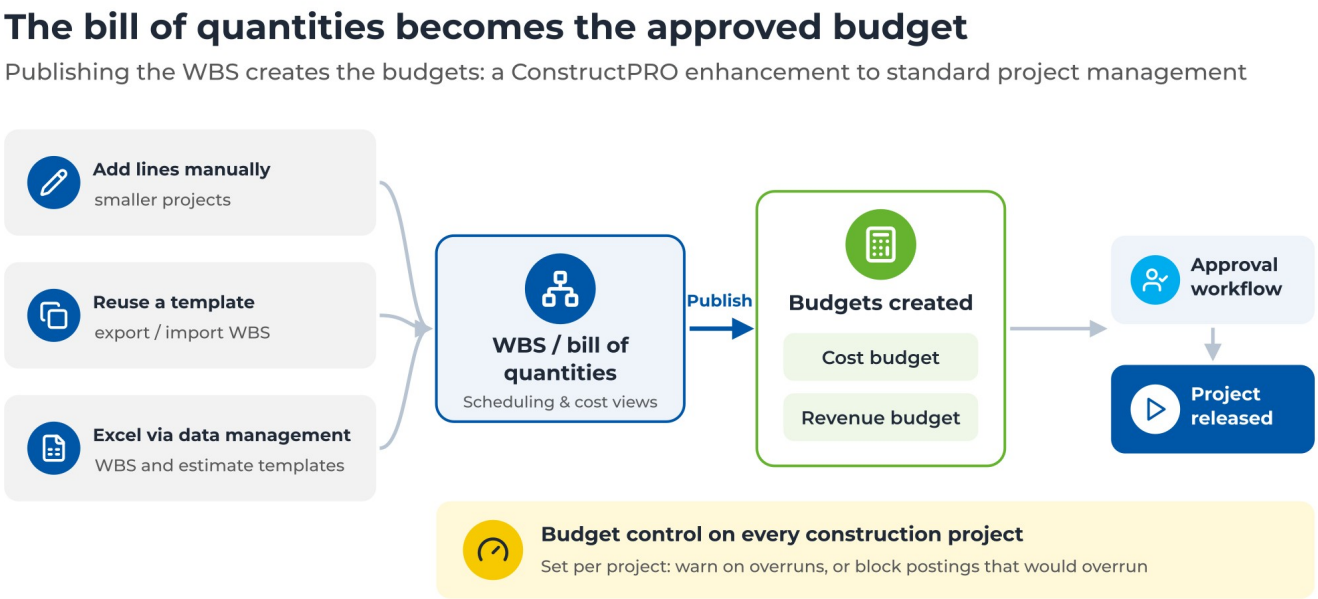
Dates

Projected and actual start and end dates, plus any extension.

Budget control

Enabled by default; warn on overruns or disallow overrunning postings.

How the budget is built



Manual entry

Add WBS lines one by one for smaller projects.

Template reuse

Export a WBS from a similar project and import it into the new one.

Data management

Load large bills of quantities from Excel: a WBS template (activities, cost categories, planned dates, roles) and an estimate template.

An enhancement to standard project management

Publishing the WBS creates the cost and revenue budgets automatically and submits them for approval. Once approved, the project is released for transactions. The team noted this isn't available in standard project management.

Contract only what you've planned

A prime contractor executes a defined scope of work on your behalf. In ConstructPRO, the prime contract order is the core transactional record: it carries the work assigned, the purchase order, the invoice schedule and the retention terms.

Create order
Prime contractor and project

Transfer from WBS
No manual line entry

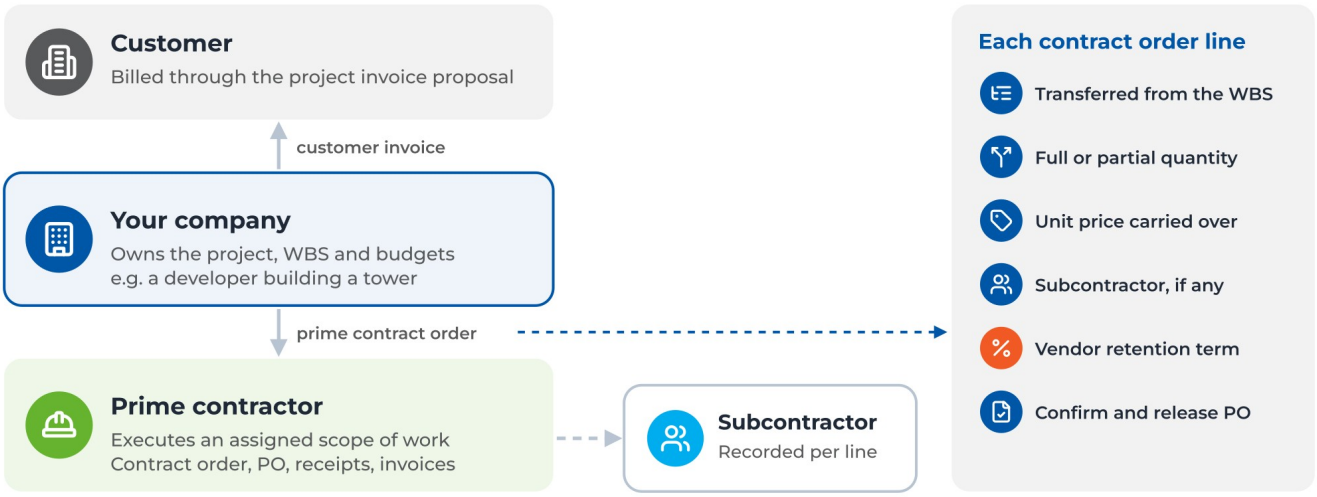
Assign quantity
Full or partial per line

Retention term
Plus subcontractor, if any

Confirm & release
Purchase order created

Who you contract, and what the system records

Prime contractors are managed end to end; subcontractors are recorded against each line



Subcontractors recorded per line

When a prime contractor passes work to a subcontractor, the subcontractor is recorded on the order line. Their own accounting stays outside your system.

Quantities and prices carried

Lines pick up the quantity and unit price from the WBS, so the contract matches the plan.

What retention means here

Retention is the portion of a contractor's payment withheld until the work is completed and approved. In ConstructPRO it is set per line as a vendor retention term, accounted for when the contractor's invoice posts, and released only after all the work has been submitted and approved.

Make quality a gate, not a report

Once a contractor reports completed work, three controlled steps decide how much of it counts. Each runs through an approval workflow, which can be automatic or follow your approval hierarchy.

Nothing is received or invoiced until it passes inspection

Each step runs through a configurable approval workflow with email notifications



1. Deliverable

Created from the contractor's work report with a date and description; the deliverables team confirms the quantities.

2. Quality inspection

Assigned to a test group and judged against a defined percentage threshold. Work that fails can't move to the next step.

3. Work submission

Records the percentage accepted. On approval it sets the completion percentage and the approved quantity.

Notifications

Configurable email or in-system notifications alert the next team in the chain.

Partial acceptance is built in

If only part of the work meets the standard, only that share is accepted. In the demo, accepting 80% set the line's completion and approved quantity to 80%; the rest stays open.

Workflows were set to automatic approval in the demo; all can follow an approval hierarchy.

Let proof release the money

Approved work submissions drive the purchasing and invoicing steps that follow, so finance only pays for what the quality team has accepted.

Contractor side

Submission approved
Accepted % recorded

Product receipt
Automatic, approved quantity only

Invoice proposal
From the invoice schedule

Post invoice
Retention withheld

Release retention
After all work is approved

Customer side

Project
Open the construction project

Invoice proposal
Select billable transactions

Approval
Workflow on the proposal

Auto-post
Posted once approved

What triggers what

EVENT	WHAT THE SYSTEM DOES	CONTROL
WBS published	Cost and revenue budgets created and submitted	Budget approval workflow
Budget approved	Project released for transactions	Budget control: warn or disallow
Contract order confirmed	Purchase order released from the order	Lines limited to the WBS
Work submission approved	Product receipt posted for approved quantity	Quality gate upstream
Contractor invoice posted	Retention accounted for and withheld	Vendor retention term
All work submitted and approved	Retention can be released	Final approval
Customer invoice proposal approved	Invoice posted automatically	Invoice approval workflow

As demonstrated, 29 October 2026. Vendor invoice proposals are created from the contract order's invoice schedule.

Measure margin where the work happens

Construction margins are won or lost at task level. ConstructPRO's profitability report, built in response to construction prospects who wanted both project and task views, compares plan and actuals four ways.

Budgeted revenue vs budgeted cost
Is the plan itself profitable?

Budgeted revenue vs actual revenue
Is revenue arriving as planned?

Actual revenue vs actual cost
The most realistic profitability picture

Budgeted cost vs actual cost
Where are the overruns, or the savings?

Group by: project, task, category or transaction type. **Shows:** actual revenue, cost, profit and profit percentage.

Contract reports

REPORT	WHAT IT SHOWS
Contract billing and payment status	Billing and payment status for each contract order, grouped by contract, to spot outstanding invoices and pending payments
Contract order invoice report	Total contract value, actual work completion percentage, amount invoiced and the amount still available to invoice
Deliverables by contract order	Deliverable IDs, descriptions, invoice schedule, submission dates and approval status
Quality inspections by contract order	Summary of every inspection performed against each contract order
Work submissions by contract order	Submission ID, status, completion percentage and associated deliverables



Report names paraphrased from the demo; reports are found under Inquiries and reports in the ConstructPRO workspace.



Three dashboards for three questions

Built in Power BI for ConstructPRO projects, separate from the standard project management dashboard, and filtered by year and month.

Construction project monitoring

How are all our projects tracking?

- Budget usage: total budget against spend so far
- Resource usage: actual vs planned cost and effort, with average hourly cost
- Workload by project: completed, remaining and overdue tasks
- Actual vs planned budget and effort by project
- Cost distribution by category: hours, expenses and items

Project monitoring (single project)

How is this project doing?

- Overall completion percentage
- Completion against effort used for each milestone
- Budget used and milestones met
- Actual vs planned budget and effort by task
- Cost distribution by category

Project contract summary

How is work spread across contractors?

- Active and closed order values: prime contractors vs subcontractors
- Number of orders, active and closed
- Orders delivered on time vs delayed
- Table view of the underlying figures

Five questions to ask of any construction ERP

1. Is your project budget generated from the bill of quantities, or keyed in separately?
2. Can a contractor's scope be assigned straight from the WBS, in full or in part?
3. Does work that fails quality inspection stop moving, or does it just get flagged?
4. Is work received only for the quantity your team has accepted?
5. Is retention withheld automatically when the contractor's invoice posts, and held until the work is approved?

How Brightpoint can help



1. See it working

A walkthrough of the ConstructPRO lifecycle, from WBS to dashboards.



2. Map your projects

Contract models, WBS templates, workflows, test groups and retention terms.



3. Go live with control

Configure, load your bills of quantities, test and train your teams.



Built on Microsoft Dynamics 365 Finance

ConstructPRO works inside Dynamics 365 Finance, alongside the standard modules, and is listed on Microsoft AppSource. Brightpoint continues to enhance it based on feedback from construction customers and prospects.

Sources and notes

Capabilities, controls and reports are as demonstrated in Brightpoint Infotech's internal session “BPIT ISV: ConstructPRO Enhanced Processes”, 29 October 2026. Examples (such as an 80% acceptance) are demonstration values.

Photography from the ConstructPRO brochure image library.

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Put proof before payment on your next project

Brightpoint Infotech is a Microsoft Solutions Partner with offices in the USA, Canada, the UAE, Kenya and India. ConstructPRO is our construction project management solution for Microsoft Dynamics 365 Finance.

WBS-driven budgets

Cost and revenue budgets on publish.

Contract orders from the WBS

Full or partial quantities.

Quality gates

Failed work can't move forward.

Automatic receipts

Only for approved quantities.

Retention control

Withheld until work is approved.

Task-level profitability

Plus three Power BI dashboards.



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