

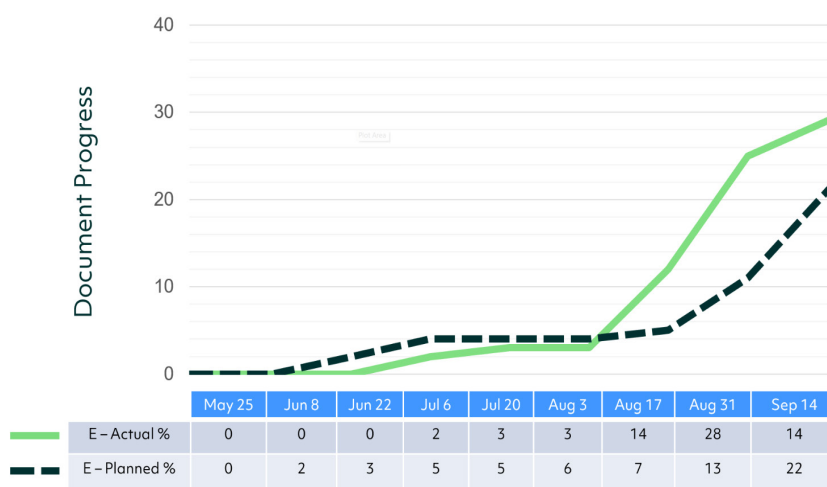
Proarc Planning

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Engineering and construction companies need to measure planned versus actual progress on every contract, but measures of progress on document deliverables can vary widely. Traditional project planning and reporting tools do not accommodate document deliverables in the project schedule or work breakdown structure (WBS).

Proarc Planning software provides the ability to allocate documents to packages, set rules for progress measurement, and report on progress in real time while documents move through the revision cycle. Using Proarc Planning, teams get full control over planned, forecasted, and actual progress on drawings and other documents at all times, providing the ability to make informed decisions and meet contractual commitments.

S-Curve Report: Actual, Planned, and Delivered Documents



Proarc Planning Benefits

Proarc Planning provides the following benefits:

Enable Data-Driven Decisions

- Identify risk with accurate data for planned versus actual progress measurement
- Align contracting parties on measurement values

Mitigate Risk

- Forecast estimate-to-complete and visualize planned versus actual in real time
- Expedite at-risk deliverables using document workflows and work assignments
- Apply higher weight to higher value documents on project schedules

Comply with Contract Requirements

- Measure progress on packages and documents: milestones, milestone sequences, weighting, and associated percent complete calculation
- Define milestone achievement by system events such as document status, revisions, and workflows
- Automatically calculate and update forecast dates for subsequent milestones with auto-forecasting feature
- View aggregated progress at package level, contract level, and project level

Accelerate Payment Cycles

- Invoice clients faster using real-time data
- Measure supplier achievement to contract commitments and supplier invoices
- Expedite contract closeout with progress data

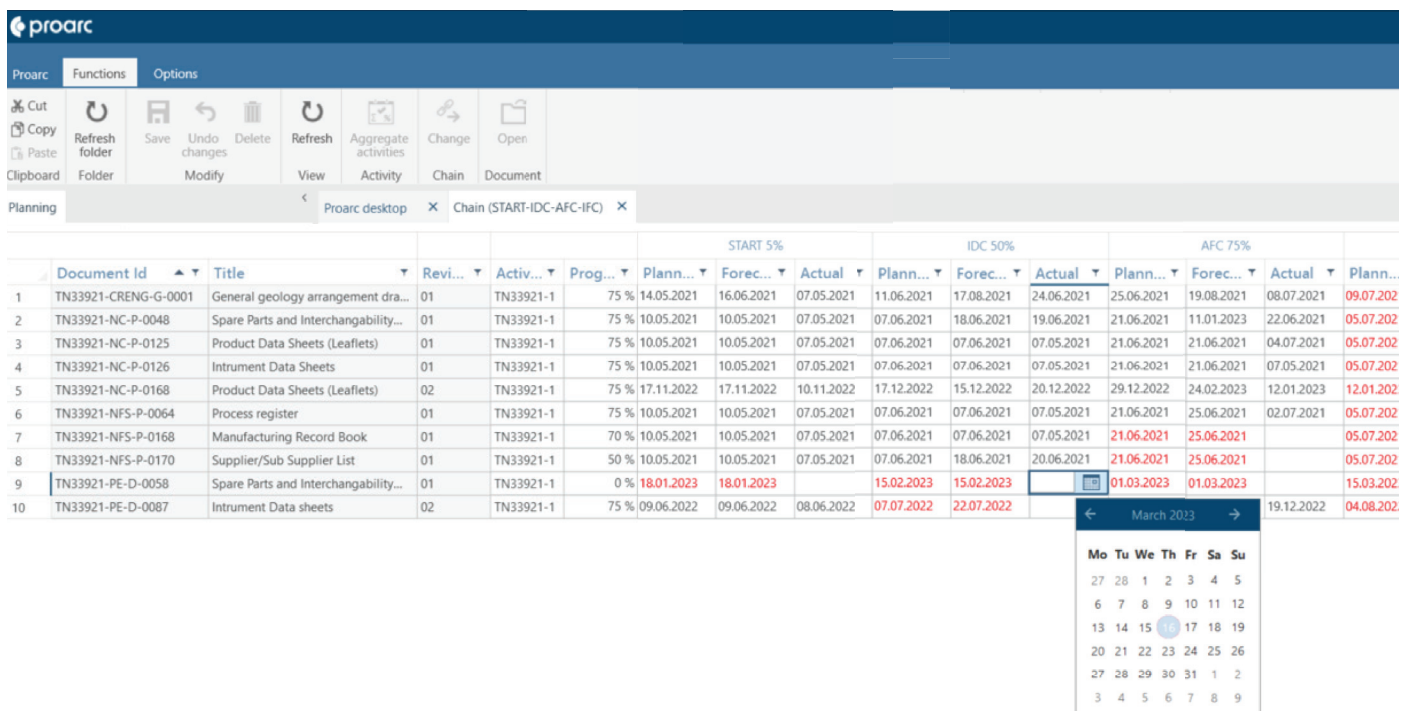


Figure 1: Real-time, interactive progress with planned, forecast, and actual milestone dates.

Core Capabilities

Define Configurable Rules of Credit

- Define document planning activities/packages
- Define milestone chains and percentage completion for milestones
- Assign weight to documents, to give a weighted progress for the activity/package

Aggregate and Summarize Progress

- Aggregate progress from documents to activities, based on document progress and weight, typically from Level 5 to Level 4 in a WBS
- Use consecutive progress to 'flatten' the curve between milestones
- Get overview of planned, forecasted, actual, and percentage completion and visualize in burndown charts
- Auto-calculate and update forecast dates for subsequent milestones

Integrate with Project Activities

- Define document status codes and workflows that trigger progress updates or update progress manually on document/milestone level
- Link documents to several activities/packages if included in multiple deliveries
- Automatically re-plan and update due dates based on actual completion dates
- Use and integrate with third party planning systems, such as Oracle Primavera, Safran, or Microsoft Project

Organize and Manage Packages & Activities

- View, edit, and create activities in the package grid
- Update details such as *Planned Date*, *Weight*, etc. directly in the package grid
- Import packages directly into the grid from exported Primavera P6 activities
- Filter and sort packages by different criteria (e.g., filter packages by the person responsible)

Milestones and 'Triggers'

| Milestones | Workflow | Status | Revision |
|------------|----------|----------|----------|
| STA | | | 01 |
| DC | | | |
| IDC | E-DC | | |
| IFC | E-IDC | | |
| ASB | E-SITE | As Built | |

Chains based on defined milestones

| Milestones | Chain 1 | Chain 2 | Chain 3 |
|------------|---------|---------|---------|
| STA | 5% | 5% | 5% |
| DC | 40% | 50% | 50% |
| IDC | 60% | 100% | |
| IFC | 80% | | 80% |
| ASB | 100% | | 100% |

| Milestones | Progress | Planned | Forecast | Actual |
|------------|----------|------------|------------|------------|
| STA | 5% | 12.11.2022 | 12.11.2022 | 12.11.2022 |
| DC | 40% | 12.12.2022 | 12.12.2022 | 10.12.2022 |
| IDC | 79% | 05.01.2023 | 03.01.2023 | 06.01.2023 |
| IFC | 80% | 25.02.2023 | 26.02.2023 | |
| ASB | 100% | 30.06.2023 | 01.07.2023 | |

Late delivery.

Progress can be updated manually up to the next milestone progress minus one.

Auto forecast based on late delivery.

Figure 2: Proarc Planning - Milestones and Chains

Ascertra - Information Powers Progress

Reliable information is the center point of successful capital projects and asset operations. Ascertra software ensures teams always have reliable information and documents to design, construct, and operate complex assets.

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