



Duplicate Notification Consolidation & Work Bundling

Eliminate Duplicate Work. Bundle Related Jobs

A Member of the Procex.AI solution family

Executive Summary

Maintenance organizations lose capacity when similar notifications become separate work orders, recent completed work is repeated, or nearby jobs are scheduled independently. These issues consume planner time, reduce wrench time, destabilize schedules, and increase cost per order.

Procex Duplicate Notification and Work Bundling helps planners identify duplicate work and bundle related maintenance activities before execution. The application evaluates SAP maintenance notifications, orders, technical objects, recent execution history, cost signals, proximity, access requirements, craft alignment, and schedule context. Planners remain in control; SAP remains the system of record.

What the Application Does

Identifies duplicate notifications Uses semantic similarity, asset context, failure patterns, and notification history to surface likely duplicates before redundant work orders are created.	Prevents repeat work Compares new corrective scope against recent completed work, posted costs, and execution timing to flag unnecessary repetition.
Bundles nearby work Analyzes area, elevation, scaffold timing, permits, craft overlap, access requirements, and schedule windows to recommend bundled execution.	Supports planner decisions Provides explainable recommendations for merge, bundle, defer, or proceed decisions while preserving planner approval and SAP record integrity.

Operational Workflow

As notifications enter SAP, semantic similarity, asset context, and failure patterns are evaluated. High-probability duplicates are surfaced to planners prior to scheduling. If similar work was recently completed on the same technical object, the system flags potential redundancy.

During schedule development, the application clusters work by proximity and craft alignment, identifying bundling opportunities that reduce repeated mobilization and access cost. Planners retain full control; Procex recommends while SAP remains the system of record.

How The Product Creates Business Value

Value lever	What changes	Business impact	Typical indicator
Duplicate work reduction	Similar notifications are merged or linked before redundant orders are created.	Less rework, fewer unnecessary orders, and cleaner backlog signals.	Duplicate rate, rework hours
Work bundling	Nearby jobs are combined by area, scaffold, access, craft, and schedule window.	Lower setup cost, fewer mobilizations, and improved field efficiency.	Cost per order, wrench time
Planner productivity	Recommendations highlight the highest-confidence actions and explain the reason.	Less manual comparison and faster decision cycles.	Planning minutes per order
Schedule stability	Related scope is coordinated earlier and executed in the right combination.	Fewer disruptions and better schedule compliance.	Schedule attainment

Enterprise and Clean-Core Alignment

The application is designed for SAP BTP-native extension patterns and clean-core deployment. It augments decision quality without changing SAP core logic, preserves SAP as the system of record, and supports enterprise governance, security, and lifecycle stability.

The solution compliments SAP Business AI, Joule, and SAP AI agents by adding Procex maintenance execution intelligence for SAP Asset Management use cases.

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