Wonderware Skelta BPM - Workflow management

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Skelta BPM is business process- and advanced workflow management featuring a complete set of tools for modeling, executing, and optimizing business processes.
Digital Workflow Management

- **Digital transformation and automation** of operational processes across people and systems in and beyond an organization
- **Improves operational efficiency** by driving higher levels of collaboration between people, teams, organizations and systems
- **Protects the knowledge** of an aging workforce and mitigates risks associated with manual processes
- **Enforces compliance** through standardization of operations processes and enforcing consistent execution for normal, unscheduled or disruptive events
- **Enables continuous process improvement** through a model driven approach which allows for engagement of business process stakeholders
Core Digitalization Platform

Highly accessible from multiple computing platforms

Comprehensive framework for modeling & executing operational activities

Plant Model with superior data collection & automation device integration

Core Digitalization platform:

- Wonderware MES
- Wonderware InBatch
- Wonderware Recipe Manager Plus
- Legacy or 3rd Party Applications
- Wonderware Skelta BPM

Events, Data & Parameters

Process Model:

- User Interfaces
- Business Rules

Physical Model:

- User Interfaces
- Physical Model

Computing Devices:

- Desktop
- iPad
- Surface
- iPhone
Key Elements of a full cycle BPMS

Model
- Create Processes, Forms, & Reports

Execute
- Manage & escalate Tasks, Coordinate

Analyze
- Find Bottlenecks, get Alarms on execution events

Improve
- Continuously improve your processes
Model the Process

Process Designer

- Intuitive, visual modeling environment
- Out-of-the-box configurable workflow activities for common workflow tasks
- Process drawings can be imported from Microsoft Visio
- Supports complex branching and decision trees
Model the Process

Forms Designer

- Model complex forms to collect or visualize data
- WYSIWYG editor enables end-users to create new forms or maintain existing forms
- Forms can be linked to, or initiate, workflows
- Design friendly canvas with direct drag and drop, and flexible columns width
- Automatic and responsive layout adoption and form previews for multiple mobile devices
- Scripting is available to perform more advanced tasks
- Electronic signatures are supported in a form
- Supports use of Microsoft InfoPath® forms
Process Execution

Workflow Execution

End-users interact with workflow tasks via web browser, smartphones, PDA, email, and IM

Workflow task execution is seamlessly integrated with our portfolio

Sophisticated human workflow management, calendar management and task escalation

Comprehensive Microsoft Outlook integration

Extensive 3rd party application integration capabilities
Workflow Management

Mobility – Work Tasks App

App for iOS, Android and Windows 10

Works through your local Network as well as through the internet by leveraging Microsoft Azure
Analyze the Process

Business Activity Monitoring (BAM)

Out-of-the-box activity reporting and activity monitoring
Associate workflows with BAM events
Customizable Key Performance Indicators (KPIs)
Standard out-of-the-box performance analysis
Visibility to workflow instances and genealogy
Proactive alerts of business exceptions and KPIs
Improve the Process
Back to the drawing board
Make use of the gained knowledge
Manage the change effectively
Introduce process changes without affecting processes already running
Strong version control
Workflow Packages ease the distribution of change
Workflow Management – for the Industry

The only full cycle BPM software offering for enterprise business process and industrial operations process management.

- Native integration with System Platform
- Avantis EAM, MES/MOM, InBatch and Recipe Manager Plus (EAM = Enterprise Asset Management)
- Integration to enterprise applications such as Microsoft SharePoint and Office
- Generic connectivity to integrate with e.g. ERP, PLM and QM systems
- Support functions to create CFR21 Part 11 and Eudralex Annex 11 compliant applications
Operational Processes in all industrial verticals!

Human activities surrounding the process:
- Machine setup, process changeover, quality checks
- Manual operation of peripheral components.

Responses to unexpected or unpredictable operation:
- Events: Equipment failure, materials outage, waste, spill, emissions
- Variance: quality, energy, materials and rework
- Change in upstream/downstream process

Response to plant systems alarms and events:
- High level, low temperature, no output.
- Safety systems, interlocks, guard systems.

These events and conditions require specific Actions (well defined and sometimes well documented)
Offline Mobility for Forms

- Ability to synchronize Forms to Mobile Devices for Offline Use
- Ability to store Filled Forms on a Mobile Device for online synchronization
- Ability to provide a history of filled Forms on a mobile device

Work Tasks Pro - renewed User Experience for Mobile Users

- Same UI/UX regardless of platform
- Offline Forms Capability
- Demo Mode
Skelta BPM 2017 R2 will deliver

### Application Content Lifecycle Management Support Functions through Packages

- Origin of an artifact (Workflow, Form)
- Original Version of an artifact
- Artifact version modified from originally installed version

### Package Migration
- Ability to import a package created from previous version of Skelta BPM

### Optimizations for loading Forms and Forms content
- Lazy binding
- Optimized Queries
- Enhanced & New Controls, e.g. Gauges, QR Reader Control, RFID Control
Core Digitalization Platform - Model-Driven MES

The End-to-End Picture

Wonderware Commercial Products

Wonderware Commercial MES Application Content

Your Industrial Business Processes

Your “Standardized” MES Application Content

Your Site Specific Nuances

Accessed on any of Your Devices

User Interfaces

Industrial Business Processes/Rules

Automation Objects

• Material Reception
• Material Staging
• Quality Data Collection
• Line Startup & Shutdown
• Material Hold
• Mass Balancing
• Product Quality Release
• Etc.

User Interfaces

Industrial Business Processes/Rules

Automation Objects

Fully Automated

Fully Manual

Your Site Specific Nuances

Accessed on any of Your Devices

Your “Standardized” MES Application Content

Your Industrial Business Processes

Wonderware Commercial MES Application Content

Wonderware Commercial Products

Wonderware Skelta BPM

Wonderware MES Software

Wonderware System Platform

Your Industrial Business Processes/Rules

Automation Objects

User Interfaces

Materials Staging

Materials Hold

Mass Balancing

Material Reception

Line Startup & Shutdown

Product Quality Release

Etc.

Your Site Specific Nuances

Accessed on any of Your Devices
Summary

• Digital transform operational practices to coordinate people and system collaboration

• Operate with greater efficiency, speed and ease and consistent performance and compliance

• Enable adaptable application models that provide flexibility and sustainability

• Standardization of operational business processes across multiple locations
Questions?