DATASHEET

AVEVA™ Work Tasks

Drive higher levels of productivity, safety and compliance through digital transformation of industrial work processes and standard operating procedures.

AVEVA Work Tasks is an industrial workflow management and mobile solution to connect people and systems for collaboration and work execution in a governed manner. It offers procedural guidance and decision support to reduce human errors. It also enables consistent and compliant execution of assigned work tasks and operating procedures.
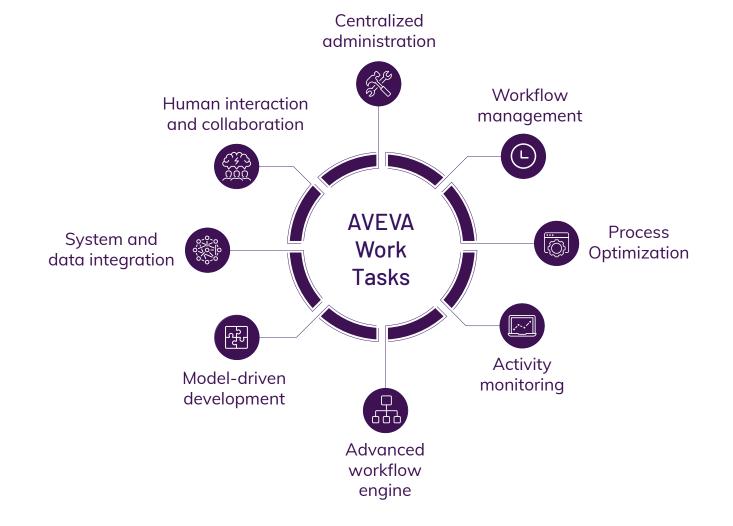
Overview

AVEVA Work Tasks is advanced business process and industrial workflow management software to manage operational activities that include people and systems inside or outside an organization.

The software provides a digital framework to model, execute, monitor and analyze work processes. It includes rich capabilities to empower workers as well as connect plant systems and devices, business applications, third-party systems, and data sources on premises or in the cloud.

AVEVA Work Tasks allows you to replace inefficient paperwork with a digital user experience and workflow automation.

Easy and secure access to work task information anytime and anywhere means that users can connect and engage on their phones and tablets, or by using a browser on their workstations.

An electronic record of all work and data entry task execution eliminates the delays from manual data entry and provides a foundation for compliance reporting and continuous improvement of work processes.
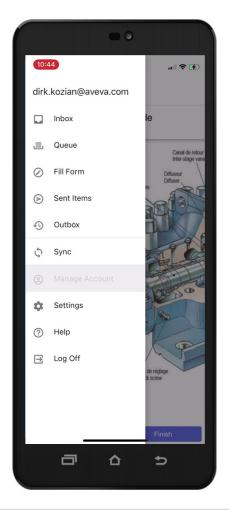
The software empowers non-IT users and operational stakeholders to visually compose workflows, gain visibility into performance KPIs and receive notifications of work process execution issues to quickly improve workflows and adapt necessary change.

Centralized administration

Workflow management

Human interaction and collaboration

System and data integration

AVEVA Work Tasks

Process Optimization

Model-driven development

Activity monitoring

Advanced workflow engine

AVEVA Work Tasks Pro mobile app

Work Tasks Pro is an easy-to-use mobile extension for AVEVA Work Tasks. The mobile application is available on multiple mobile platforms, such as Android, iOS or Windows. It connects workers on the move with notifications on their mobile devices, so all participants involved in a workflow can quickly act and respond to critical situations. The app allows online and offline operations without network connectivity, so you can provide your mobile workforce with access to assigned work tasks and related context information anytime, anywhere.

- Ensure correct and consistent execution of work.
- Replace paperwork with a digital user experience on mobile devices.
- Enable collaboration among central functions and process stakeholders in the field.
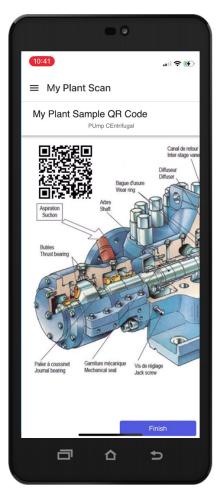
Act on assigned tasks

Users can act on urgent tasks, or approve or reject a request to maintain work continuity through the mobile application.

Push notifications

Stay connected to mission-critical processes and view and act on events as they occur. The Work Tasks Pro app displays notifications and the count of important tasks pending for action. The application empowers users to view, prioritize, and act on important tasks.

Offline mode

The Work Tasks mobile application downloads work items that are assigned to the user of the device to be viewed offline in the event of loss of connectivity or unavailability of a network connection. Users can continue to review and execute their work items and perform data collection tasks. When the mobile device gets connected to the server again, all executed items are submitted, related processes are triggered, and new assigned items will be downloaded.
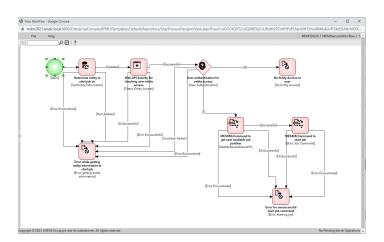
Key features

AVEVA Work Tasks provides a digital framework to model, execute, monitor and analyze work processes and standard operating procedures. Workflows and mobile extensions are configured using low-code forms and process designer environments. Execution issue notifications and visibility into performance KPIs support troubleshooting and continuous improvement of operational procedures. The model-driven approach empowers non-IT users and business stakeholders to visually compose workflows and monitor and measure their performance.
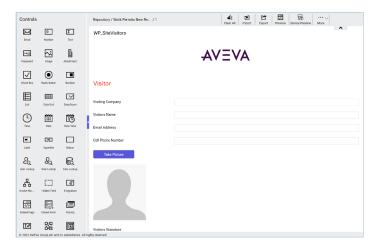
Process designer

- Intuitive, visual web-based modeling environment
- Many out-of-the-box configurable workflow activities for common workflow tasks, such as:

  · Human activities

  · Communication activities

  · Scheduler activities

  · Security activities

  · Integration activities

  · Database activities

  · File activities

- Supports complex branching and decision trees
- Manage workflow versions

Process designer

Forms designer

- A low-code forms design editor to create web form layouts with smart controls
- Design-friendly drag-and-drop canvas
- Automatic layout adoption to multiple device form factors
- Responsive design
- Device previews
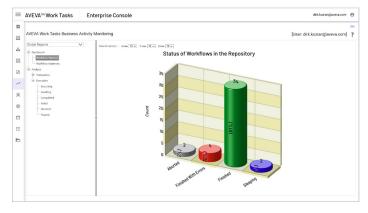- Cross-browser compatibility
- Manage form versions

Forms designer

Activity monitoring

- Workflow status and workflow instance dashboards
- Out-of-the-box reporting and activity monitoring views
- Configurable data points and KPIs
- Associate workflows with activity monitoring events
- Customizable key performance indicators (KPIs)
- Alerts on Exceptions or KPIs
- Built-in activity analysis for transaction and execution

Activity and KPI monitoring

Security

- Define user-based access rights for workflow execution and design functions
- Define security at repository, item, folder and other levels
- Comprehensive security for reporting and activity monitoring

Electronic signatures

- Ensure regulatory compliance with electronic signatures
- Track multi-level requests through response collaboration
- Collect handwritten signatures on touchscreen devices

Connectivity

AVEVA Work Tasks's web-based architecture offers scalability and capabilities to integrate with plant systems, business applications, third-party systems and many data sources.

Connect with:

AVEVA industrial software:

- AVEVA™ Application Server – through a dedicated software connector package
- AVEVA Operations Management – dedicated OMI apps for inbox, forms, lists, etc.
- AVEVA™ Manufacturing Execution System – dedicated software connector and webAPIs, leveraging open API standards
- AVEVA™ Production Management – AMQP messages
- AVEVA™ Batch or AVEVA™ Recipe Management – based on AVEVA platform common services

Backoffice applications:

- Microsoft Office
- Microsoft Outlook
- Microsoft SQL Server

Third-party systems and data sources via:

- Microsoft Logic Apps
- Message Queue Telemetry Transport (MQTT)
- Advanced Message Queue Protocol (AMQP)
- webAPI Calls (with or without being based on Open API standards)
- Database Connections
- .NET API references

Load balancing and high availability

AVEVA Work Tasks can be configured for load-balanced, high-available workflow execution services.

The software has been tested and verified with hypervisors, such as VMWare's ESX Server and Microsoft Hyper-V.

Technical specifications:

Operating systems

- Server: Windows Operating System

Database technology

- Microsoft SQL Server, Express, Standard or Enterprise Edition

Browsers

- Microsoft Edge
- Google Chrome
- Mozilla Firefox
- Apple Safari on macOS devices (Runtime Only)

For more information on AVEVA Work Tasks software, please visit: aveva.com/en/products/work-tasks

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