

ABB Ability™ Integrated Task Manager (ITM)

Ensure operational tasks are accomplished safely, efficiently, and reliably with complete visibility.



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01 ABB's Connected Worker and Integrated Task Management applications for lean operation, seamless collaboration and excellence in execution

Schedule - and complete - a wide variety of operational tasks

ITM is a software application that uses a Kanban board to effectively automate, coordinate and track the tasks/jobs/practices involved in daily plant operations across different disciplines – including control room, field operations, maintenance, quality, safety, etc.

The Kanban cards visually and clearly represent work items to systematically follow the progress and status at each stage of the process. Tasks can be scheduled – for now, later, on a recurring basis, event-triggered or ad hoc – to improve efficiency of daily operations by highlighting bottlenecks and anything which might hinder effective and efficient work practices.

Ensures tasks aren't overlooked, and encourages continuous improvement

The application also makes shift handovers smoother, offering all operators and managers clarity which reduces errors, avoids incidents and improves operational effectiveness. Furthermore, ITM spotlights where improvements may be needed, thus encouraging continuous, incremental and evolutionary improvements to the plant's current processes. The system can also encourage valuable change management initiatives and suggestions from the operating floor and shift supervisor level.

ABB's ITM application helps energy and process industry facilities increase efficiency and shop floor engagement by better defining, scheduling, executing, tracking & analyzing operational activities. ITM enables supervisors, shift foremen and operators to be completely confident that critical tasks are being planned, prioritized and addressed.

Key Benefits

Enhance efficiency, productivity and safety

- Ensure work is complete and critical tasks are not overlooked
- Improve communication, visibility and accountability

Simplifies everyday operations

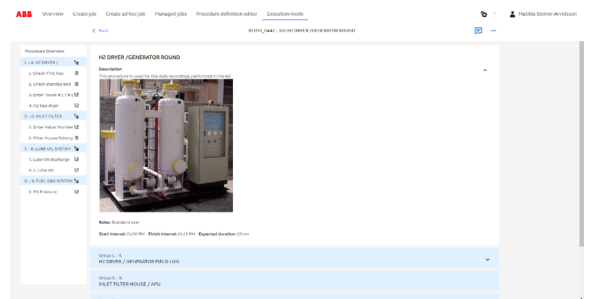
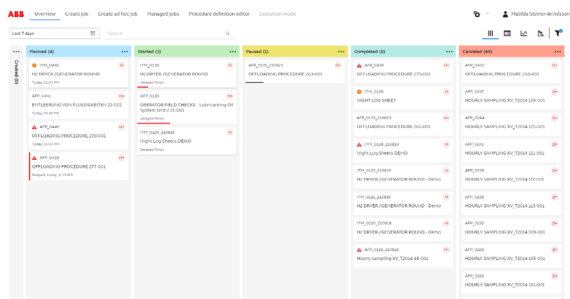
- Reduce admin work, promote collaboration and enhance consistency and compliance with procedures and best practices
- Integrates with existing applications and systems and allows synchronization with numerous systems including DCS, MES, ERP, CMMS

Always up to date on your tasks and priorities

- Information about you and your teams pending jobs, status and priorities available at a glance
- Accessible via browser, phone or tablet

Easy to install, implement and use

- Can be configured to reflect your current operations providing rapid onboarding of your work practices
- Fully customizable checklists and procedures area of work, discipline etc by department and position.



Key features

Digitally define workflows and checklists to enable consistent execution

- Web-enabled designer, Easy to use, Drag and drop configuration of procedures & checklists
- Including Rich text and possibility to add pictures videos and other supporting material

Conveniently schedule jobs now, later, recurring or based on events or conditions

- Manually or automatically assign tasks to groups or persons
- Manually schedule at a defined date and time, or recurring at a specified interval (hourly, daily, weekly etc) for a given time period
- Automatically schedule based on a defined trigger (event, condition) that has been assigned to a procedure

Priorities the work to ensure the right focus of the operations

- Set priorities, categorize and visualize in Kanban board to highlight attention to the desired areas of work

Intuitive step by step guidance with relevant information

- Supporting the consistent and effective execution of checklists and procedures in the office and in the field

Follow up on the status of planned, ongoing and completed work

- Providing different views to cater to the ease of tracking work and avoid delays and bottle necks
- View your jobs in a Kanban board to visualize bottle necks and delays
- Grid view to filter and search jobs based on all entities
- Gant view to visualize jobs and status in a timeline

Leverage collected feedback and comments

- Improve work practices and procedures based on performance, collected comments and feedback

Leverage integration with systems and applications

- Integrate with related apps and systems (ERP,DCS, CMMS, etc.) for seamless working and real time response

Typical use cases

From operational rounds to complex procedures



Regular Rounds

Checklist support to guide and ensure completeness.

Examples:

- Daily / hourly manual data recording
- Collect samples
- Plant walkthrough, routine rounds and inspections



Standard Operating Procedures

Standard operating procedures ensuring safe and consistent execution.

Examples:

- Shutdown / start up / change over
- Material transfers
- Instrumentation calibration



Abnormal situations

Response to a specified condition or alarm/event.

Examples:

- Flow in pipe below limit
- Pressure above threshold



Ad hoc tasks

Ad-hoc tasks required based on an observation.

Examples:

- Spillage that needs to be cleaned up
- Device not working as expected