

User Guide for Drilling Activity: FMS Operator App



Content

| Overview | 3 |
|--|----|
| How to get started | 4 |
| Task Acceptance/Creation | 4 |
| Recording Information | 21 |
| How to record Face drilling details | 21 |
| How to record Long Hole Drilling details | 22 |
| How to record Consumables | 24 |
| How to add Sample bags | 25 |
| How to update task details | 28 |
| How to notify supervisors, take pictures, and read notes | 29 |
| How to view Task History and Heading History and record task completion: | |
| Delays and Downs Tracking | 33 |
| How to log and view downs and delays: | 33 |
| How to view and select reason codes | 34 |
| Switching tasks | 36 |
| How to change/switch tasks | |
| Communication Protocol | |



Overview

The FMS Operator App has been designed to accommodate various workflows, and this user guide specifically focuses on the `drilling workflow. This comprehensive document is intended to guide users through the fundamental steps of utilizing the app for drilling activities. Below is an elaborate overview of the key functionalities covered in this guide:

Task Acceptance / Creation:

- Navigation: Learn how to navigate through the app's interface to start an assigned task or create a new one.
- Task Details: Enter essential task information such as engine hours, location, etc.

Recording Information:

- Data Entry: Enter data to record pertinent details during the drilling activity, including destination location, material type, bucket counts, photo capture, and any notable observations.
- Sample Bag Information: Learn to capture sample bag data before completing the drilling task.

Delay and Downtime Tracking:

- Log Delays: Understand how to log delays or downtime incidents during drilling operations.
- Reason Codes: Familiarize yourself with the predefined reason codes for delays, ensuring accurate and consistent reporting.

Switching Tasks:

Task Transition: This feature seamlessly transitions between different drilling tasks.

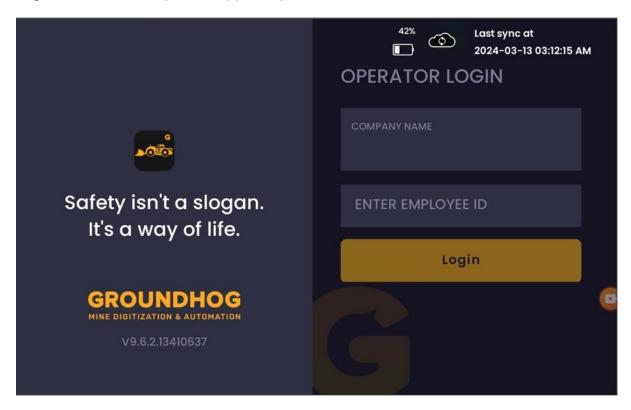
By following this user guide, operators can navigate the FMS Operator App seamlessly, ensuring a smooth and efficient drilling workflow while leveraging the full capabilities of state-of-the-art technology for enhanced productivity and data accuracy.



How to get started

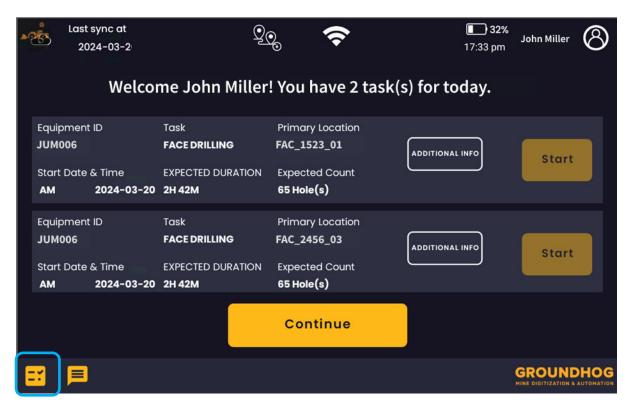
Task Acceptance/Creation

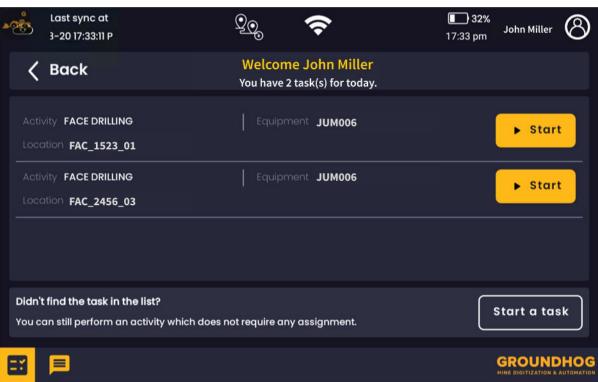
1. Login to the FMS UG Operator App with your ID.



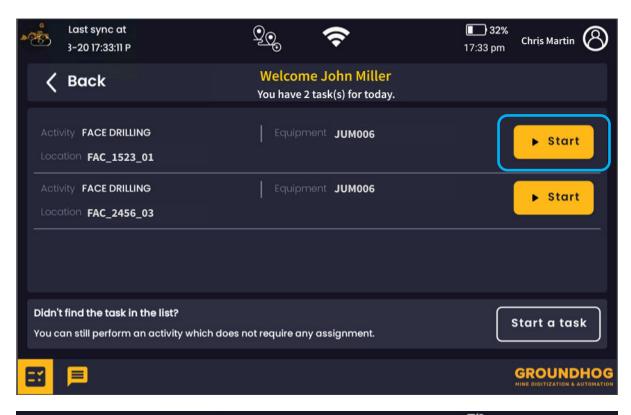
- 2. The task list screen is displayed. This screen presents all tasks assigned to the Operator.
 - a. Click on the task list button at the screen's bottom left corner. Another view of tasks will appear. Click "Start" on this screen.
 - b. Pre-inspection
 - c. Add engine hours, Electrical hours, percussion hours.
 - d. Select depth of the round.
 - e. The operator will be directed to the face drilling activity screen.

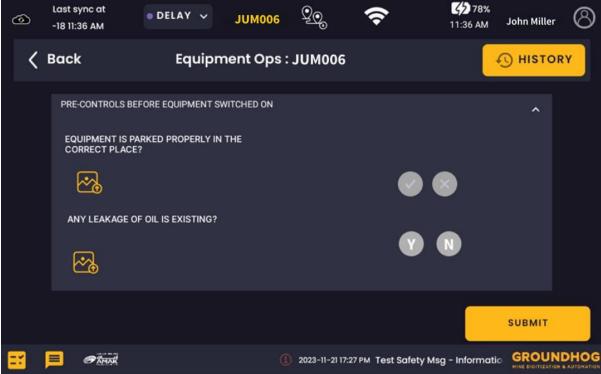






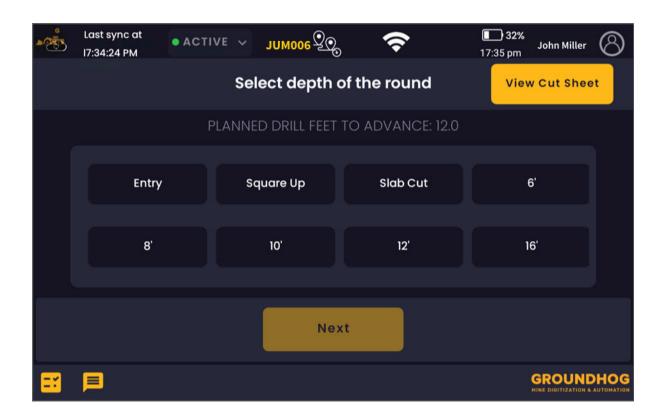
















3. Face Drilling

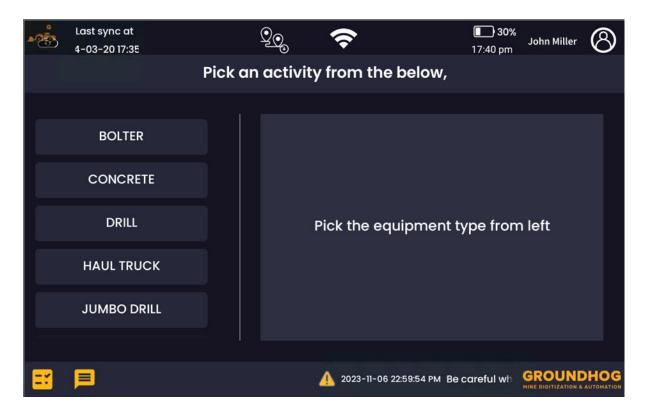
If no tasks are assigned or the Operator wants to do a task that is not listed, the Operator can initiate a task independently by clicking the "Start a Task" button. They will then proceed to:

- a. Pick an activity.
- b. Select the equipment type and activity type.
- c. Input engine hours if applicable.
- d. Choose the location where they will be working.

Following these steps, the Operator will be directed to the face drilling activity screen to begin their assigned task.

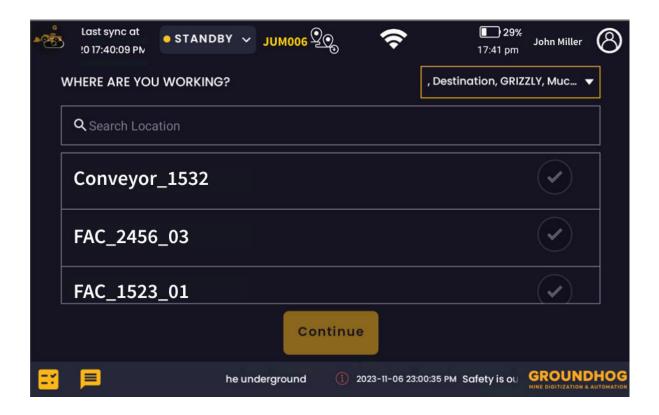




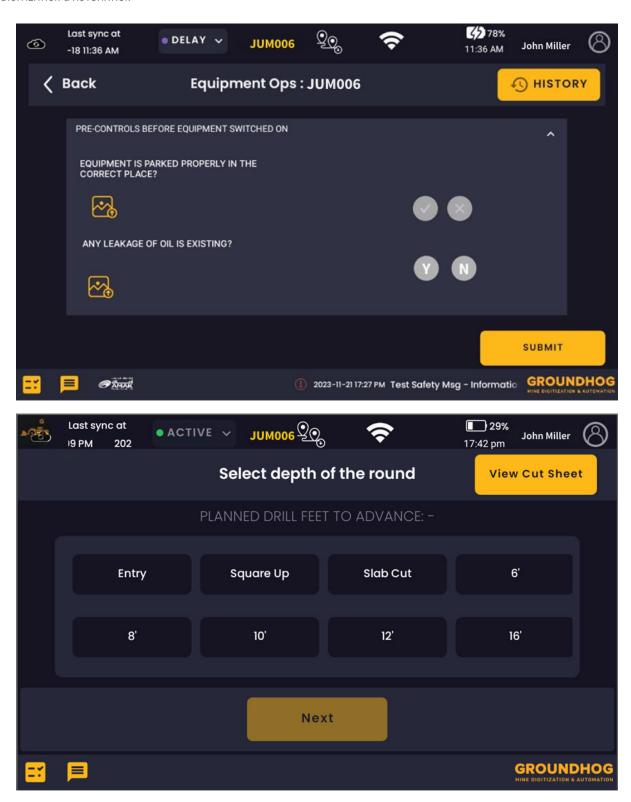




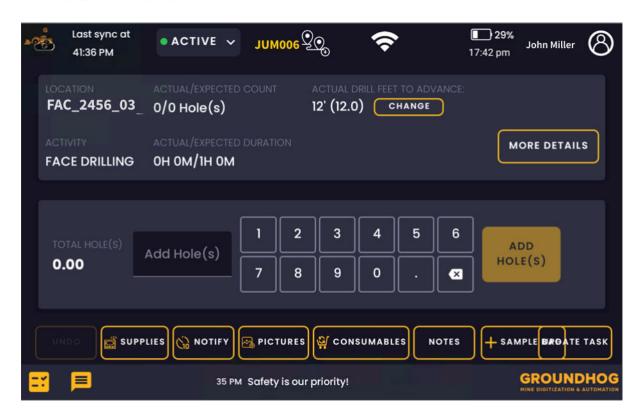












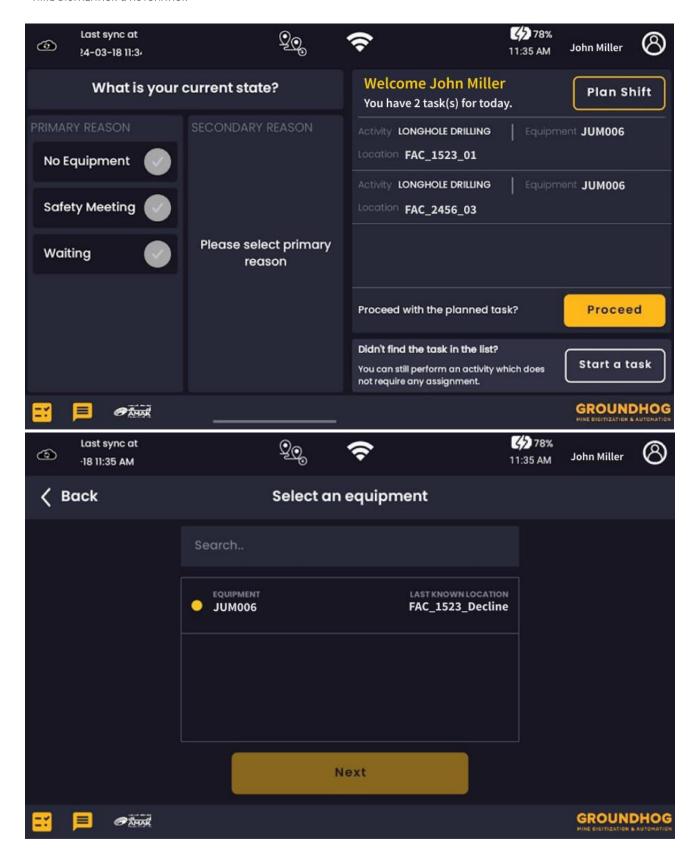
4. Long Hole Drilling

Operator can initiate a task independently by clicking the "Start a Task" button. They will then proceed to:

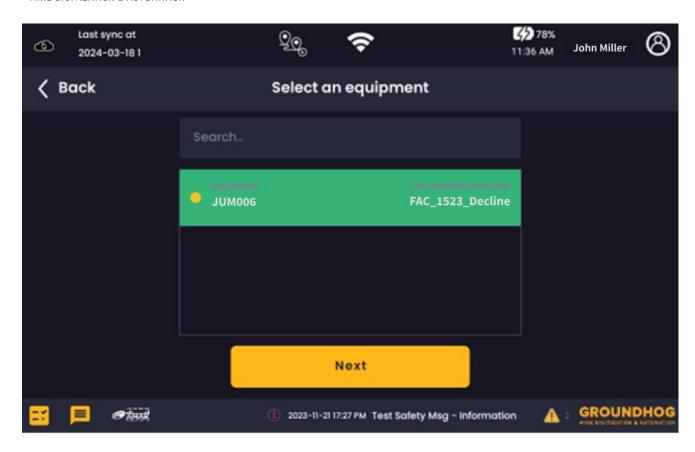
- 1. Pick an activity.
- 2. Select the equipment type and activity type.
- 3. Input engine hours if applicable.
- 4. Choose the location where they will be working.

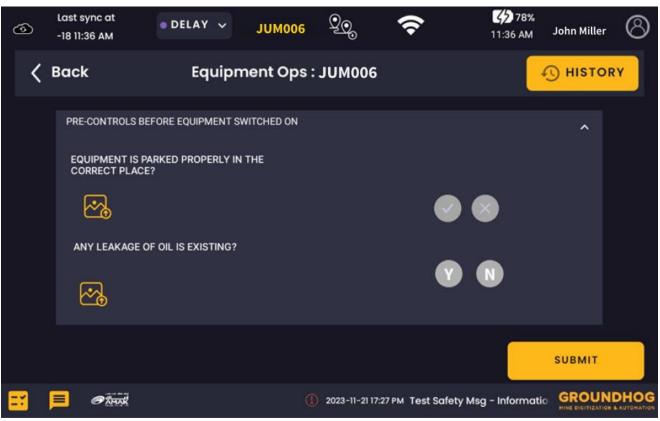
Following these steps, the Operator will be directed to the drilling activity screen to begin their assigned task.



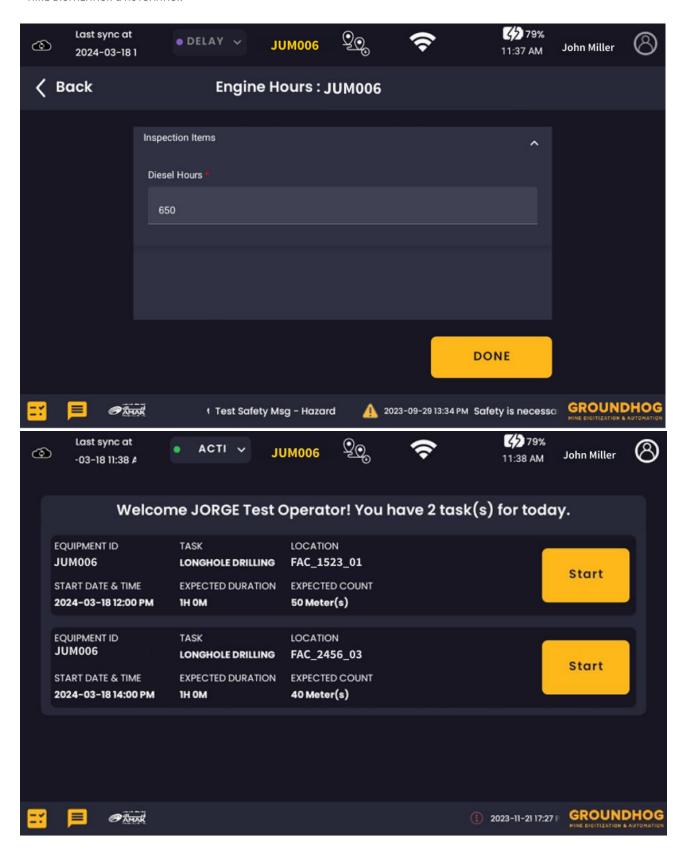




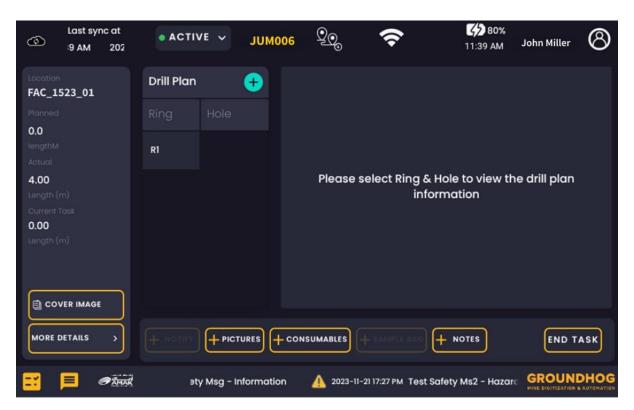






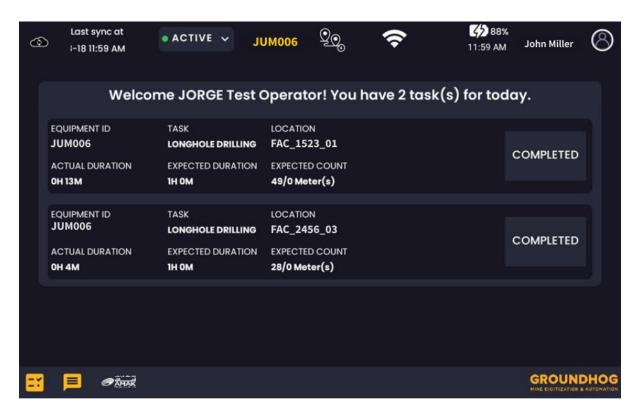


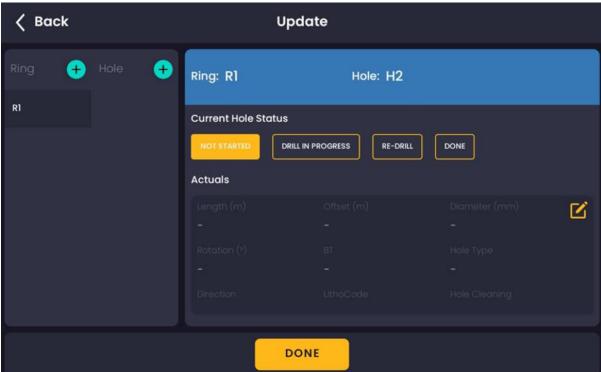




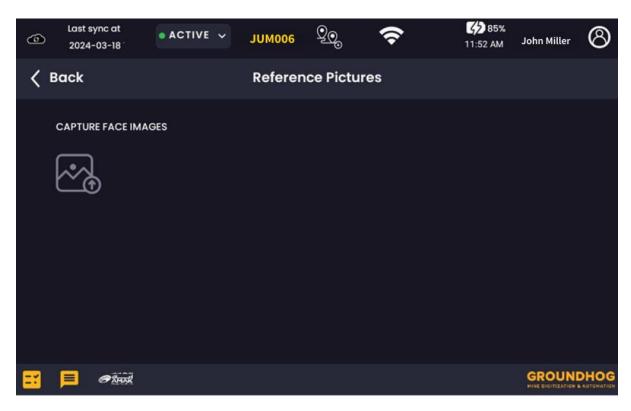


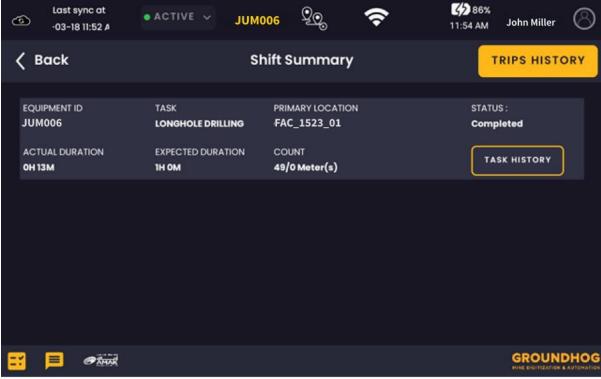




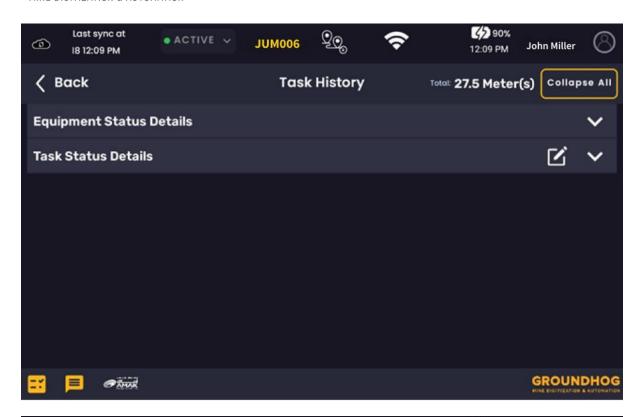






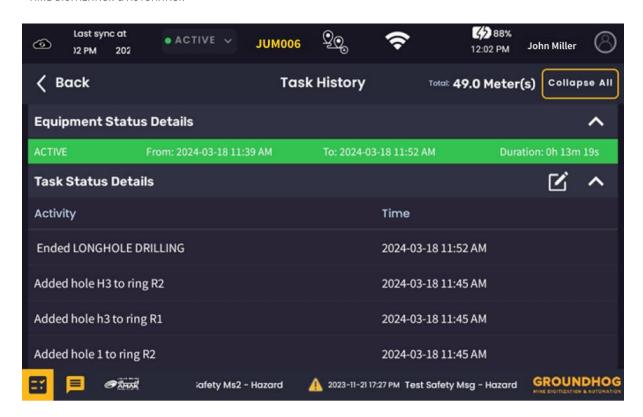












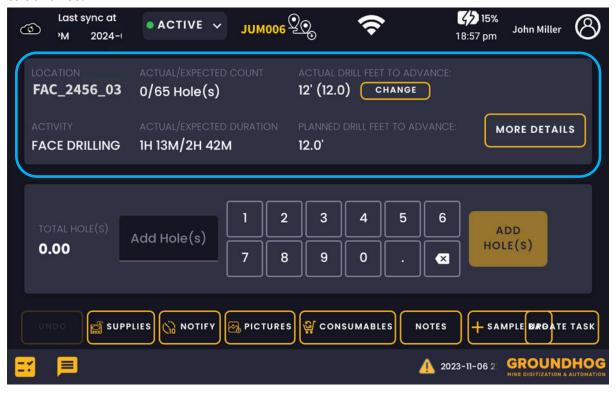


Recording Information

The Operator will be directed to the drilling activity screen to begin their assigned task.

How to record Face drilling details

In the highlighted box, you can observe the work location, actual and expected hole counts, actual drill feet advance (adjustable), actual and expected duration, and planned drill feet to advance.





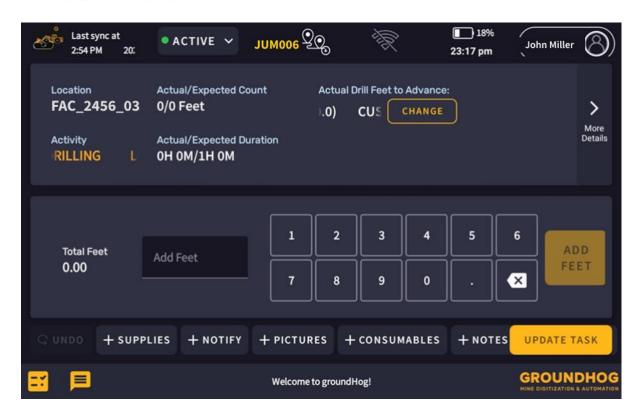
Operators can add the number of holes by pressing the "Add Holes" button.



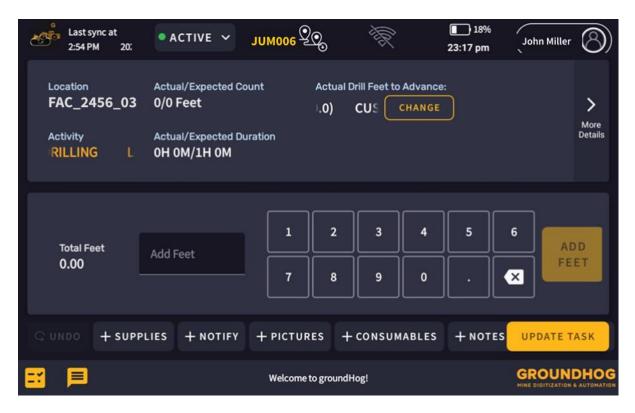
How to record Long Hole Drilling details

The highlighted box shows the work location, actual and expected drill feet, and actual and expected duration.





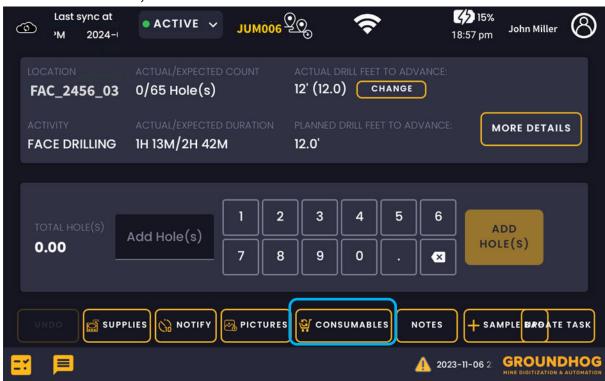
Operators can add the number of drill feet by pressing the "Add Feet" button

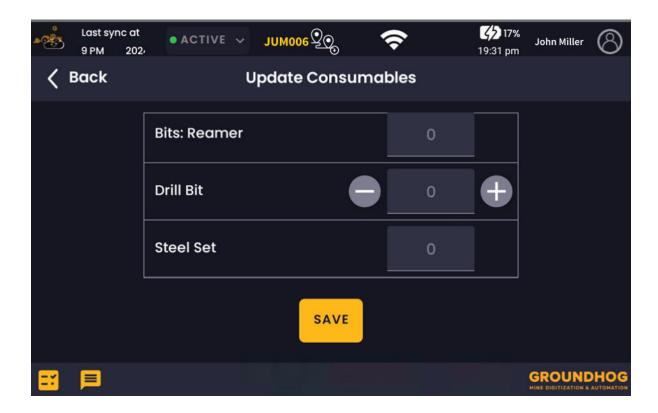




How to record Consumables

Click on "Consumables." On the next screen, you will find an option to add a consumable. Add the consumable, then click on "Save."

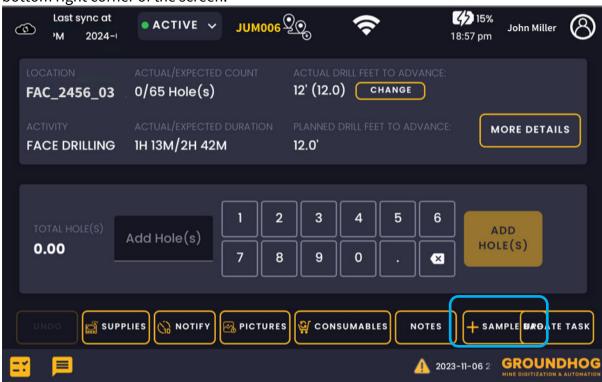






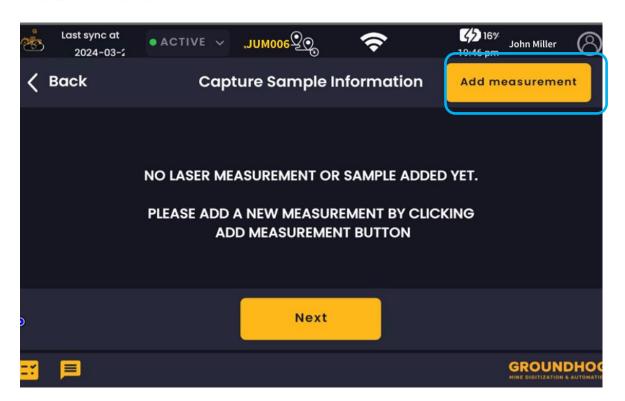
How to add Sample bags

Drillers can add sample bags by clicking on the "Sample Bag" button located at the bottom right corner of the screen.



Next, click on "Add Measurement," fill in the mentioned details, and click on "Save" to capture the sample information.





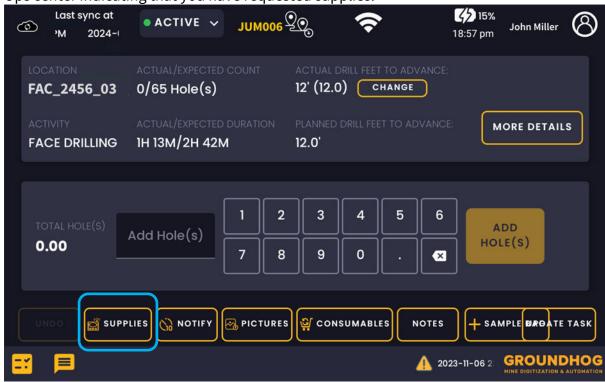


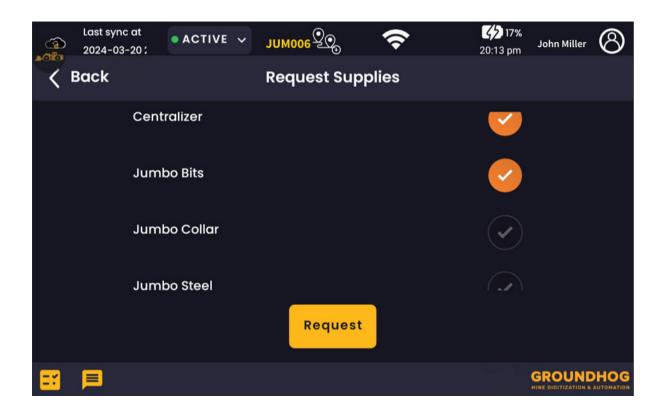
How to Request Supplies

Click on the "Supplies" button located at the bottom left of the screen, select the required supplies, and click on the "Request" button. A notification will be sent to the



Ops center indicating that you have requested supplies.

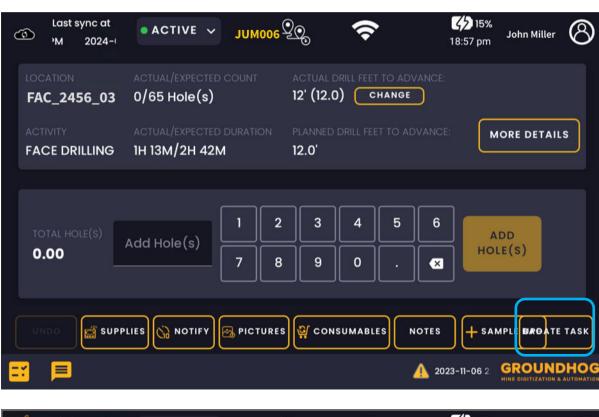






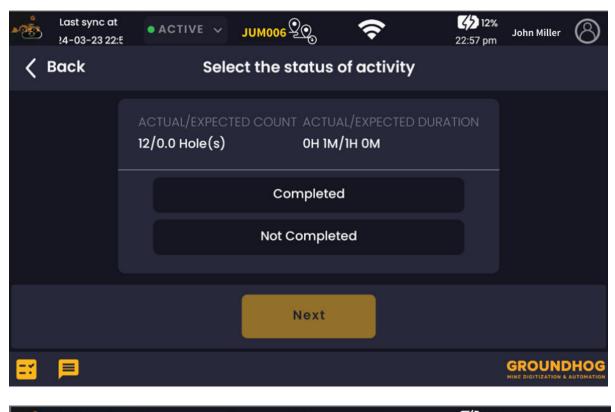
How to update task details

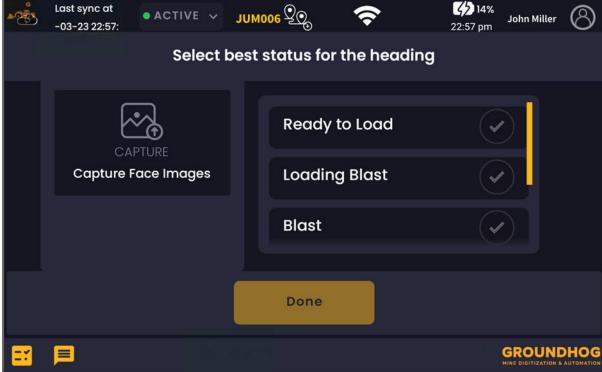
Click on "Update task" -> Update Consumables -> Select status of activity -> Select status of heading.











How to notify supervisors, take pictures, and read notes

The operator can revert the hole count, inform the Admin, capture images as proof of work or issues, access supervisor notes, and record sample bag details.



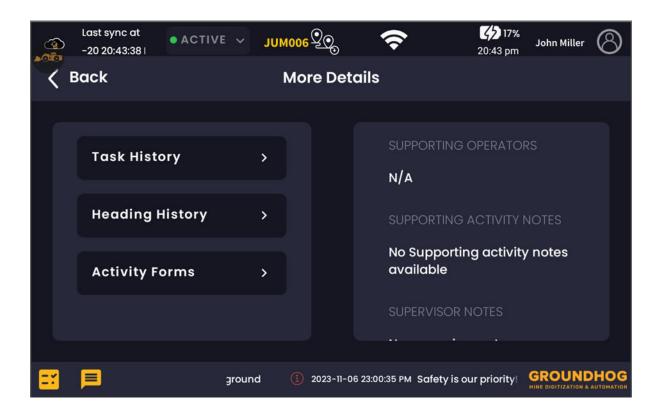


How to view Task History and Heading History and record task completion:

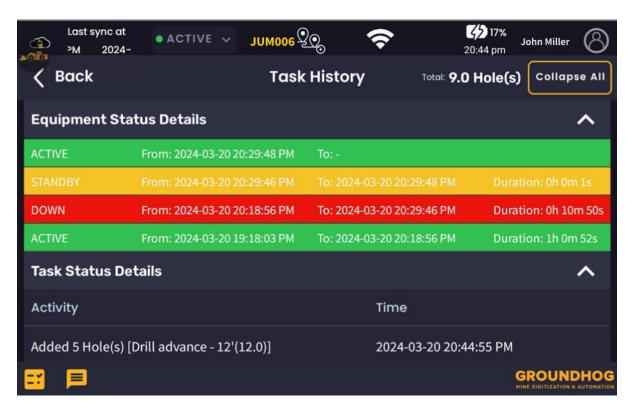
To access more details, including Task History, Heading History, or Activity Forms linked to the task, click "More Details." This screen also provides information about Supporting Operators involved in the task and any notes from the Supervisor. During task creation, notes from Supporting Operators, Supporting Activities, or the Supervisor can be added via the task OpsCenter.

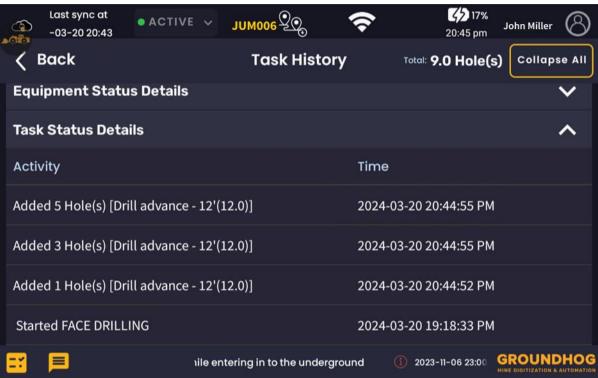














Delays and Downs Tracking

How to log and view downs and delays:

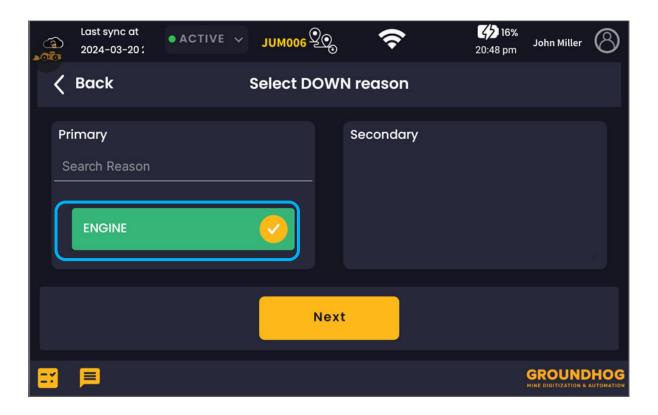
If the equipment is not operational, the operator can select the "Active" status displayed on the header and change it to "DOWN" to accurately reflect the equipment's status.



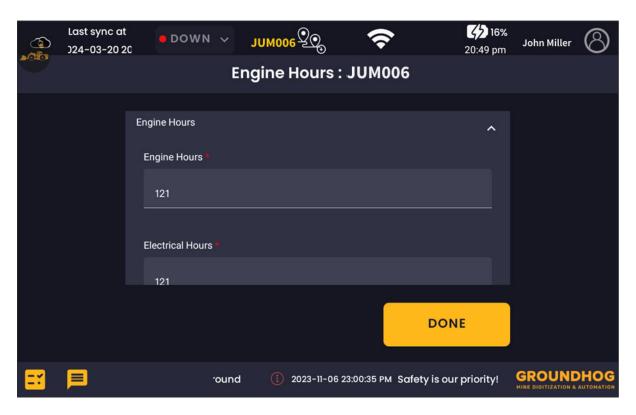


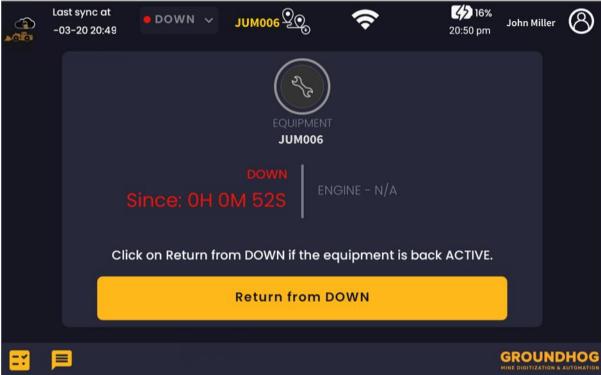


How to view and select reason codes







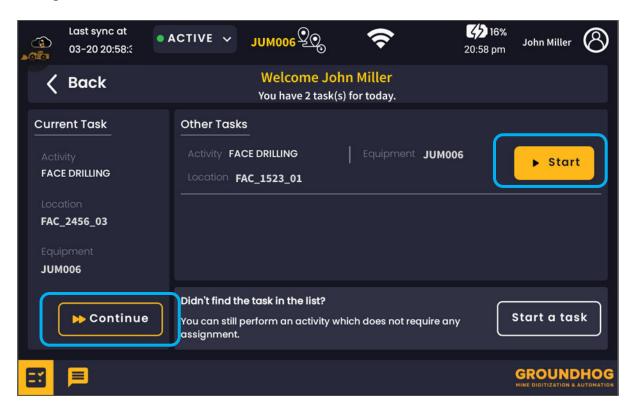




Switching tasks

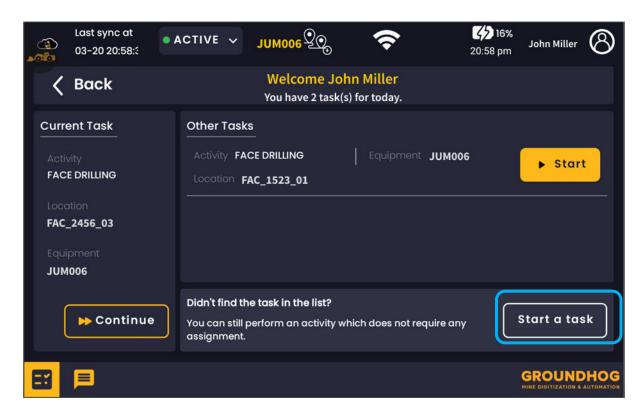
How to change/switch tasks

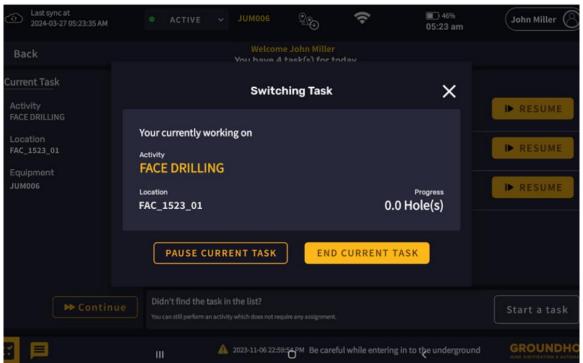
From the Task List screen, the operator can initiate a new task while still working on the current one. The current task is displayed on the left side of the screen. Clicking "Continue" allows the operator to proceed with the current task, while clicking "Start" on the right side of the screen enables them to switch to that task.



When clicking "Start a Task," a popup will appear asking if you wish to pause or end your current task.







Communication Protocol



GroundHog has implemented a three-tiered communication protocol to establish a structured and efficient communication framework. Each level addresses specific aspects of support and management, ensuring that concerns are addressed promptly and effectively.

Level 1: Site Support: At the foundation of our communication protocol is Level 1 - Site Support. This level primarily deals with on-site issues and immediately assists field operators and personnel.

Level 2: GroundHog Support Team: Level 2 is the GroundHog Support Team, the intermediate layer between on-site operations and higher management. This level focuses on resolving complex technical issues and providing advanced support.

Level 3: GroundHog Management: The apex of our communication protocol is Level 3 -GroundHog Management. This level involves high-level decision-makers and managers who oversee the entire operational landscape.

Our customer-first approach includes an extremely responsive Customer Service team, intuitive programs to accelerate adoption in the field, and transparent data to increase productivity.

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