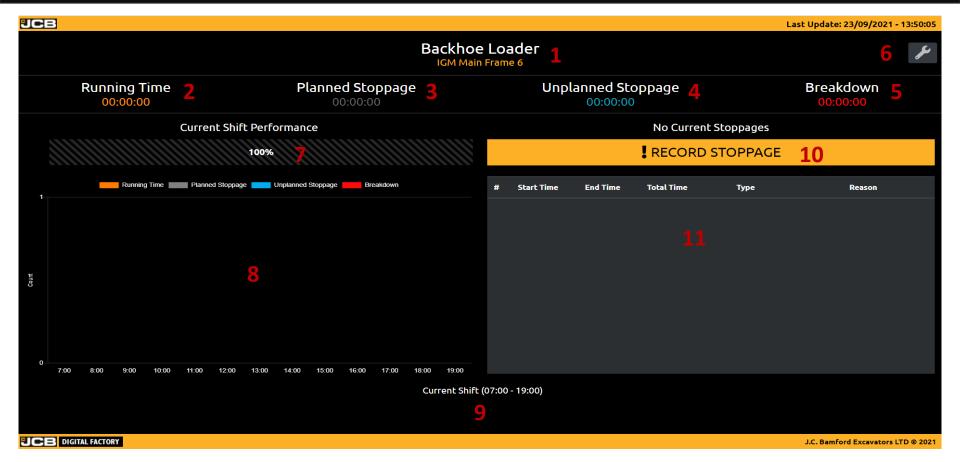


LIVELINK EQUIPMENT MONITORING – OPERATOR INTERFACE





LIVELINK EQUIPMENT MONITORING — OPERATOR INTERFACE

1 – Header

The business unit and asset that is being monitored.

2:5 - Current Shift Status Times

How long the asset has spent running (hh:mm:ss), as well as how long it has spent in planned stoppage, unplanned stoppage and breakdown state.

<u>6 – Programming Mode</u>

Place the machine in "programming mode", disabling any LiveLink or stoppage/breakdown updates.

7 - Current Shift Performance

Percentage breakdown of running time, planned stoppage, unplanned stoppage and breakdown time.

8 - Current Shift Stoppages

Number of planned stoppages, unplanned stoppages and breakdowns by hour, for the current shift.

9 - Current Shift Time

The start and stop time for the current shift.

<u>10 – Record Stoppage</u>

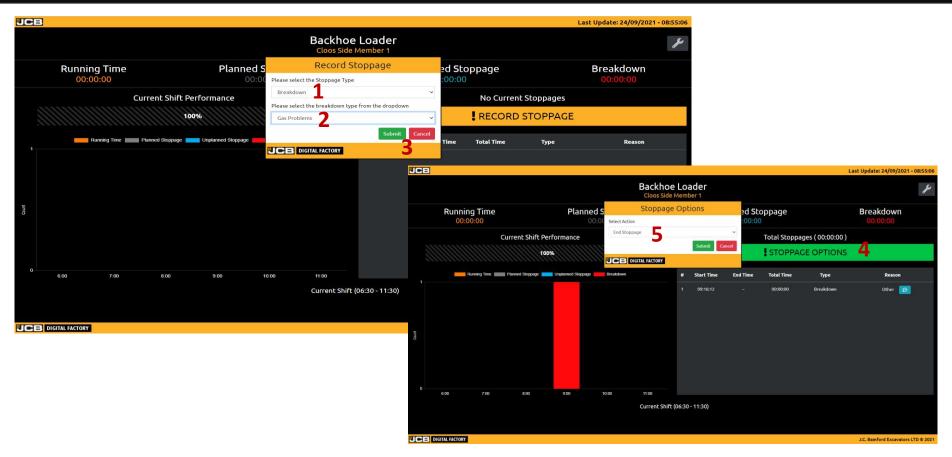
Record a new planned stoppage, unplanned stoppage or breakdown for the current asset. This uses the options as shown on slide 3.

11 - Stoppage Log

Log of current shift stoppages including start time, end time, total time, stoppage type and reason.



LIVELINK EQUIPMENT MONITORING – RECORDING A STOPPAGE





LIVELINK EQUIPMENT MONITORING – RECORDING A STOPPAGE

<u>1 – Type</u>

The type of the stoppage that is being recorded, from a planned stoppage (such as a Torch Check) to an unplanned stoppage (such as an Arc Fault), or a breakdown (such as Gas Problem or Power Cut).

2 - Reason

The specific reason for the planned stoppage, unplanned stoppage or breakdown.

3 – Submit / Cancel

Submit the stoppage or cancel.

4 – Stoppage Options

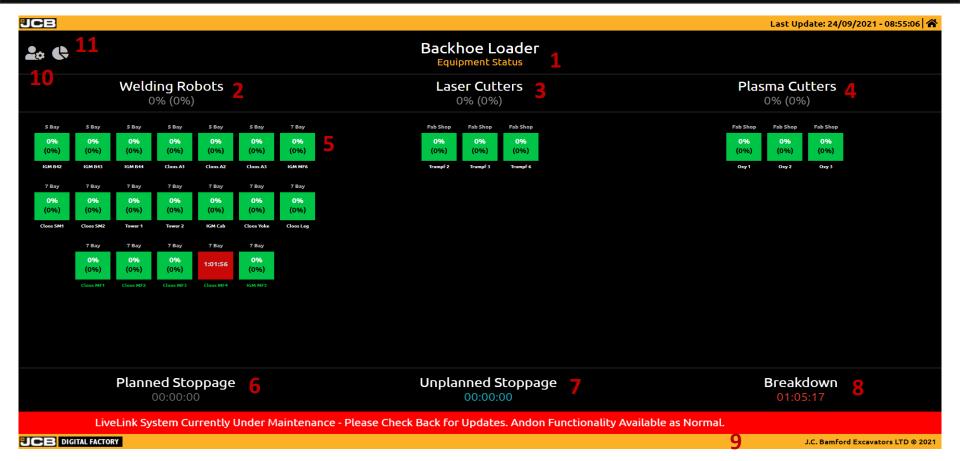
Once a stoppage has been raised it can be ended or updated by clicking on the "Stoppage Options" button.

5 - Stoppage Action

End or update the stoppage.



LIVELINK EQUIPMENT MONITORING – BUSINESS UNIT OVERVIEW





LIVELINK EQUIPMENT MONITORING – BUSINESS UNIT OVERVIEW

1 – Header

The business unit dashboard being viewed.

<u>2:4 – Current Efficiency Values</u>

An overall percentage for programming running time and touch time (in brackets) on the current day, across welding robots, laser cutters and plasma cutters.

5 - Asset Tiles

Each asset belonging to the business unit is represented as a tile with the area, name, programming running (%) and touch time (%), as well as the current status such as running, planned stoppage, unplanned stoppage or breakdown.

<u>6:8 – Business Unit Status Times</u>

The summary of time that the business unit has spent today with assets in either planned stoppage, unplanned stoppage or breakdown state.

9 - Status Ticker

When the system is running the status ticker will provide updates throughout the day in regards to the current business unit status.

10 - Shift Management

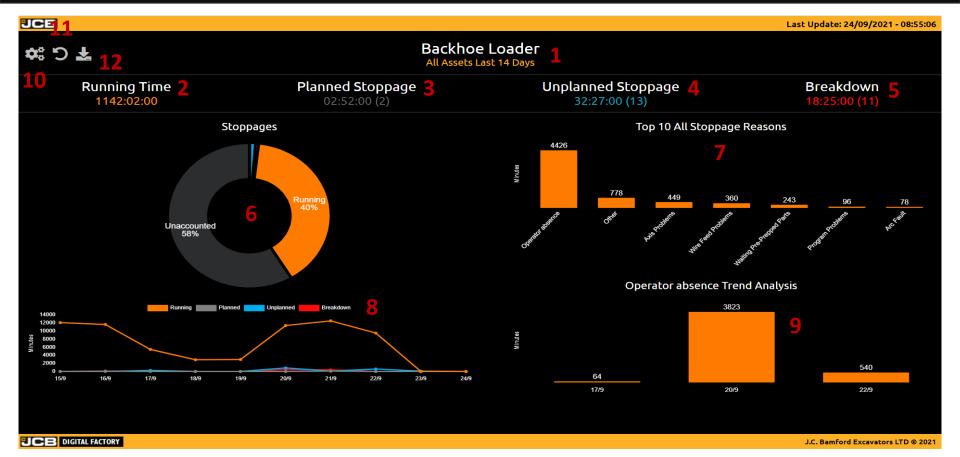
Create, edit and manage asset shifts across the business unit. This will require the username and password that has been allocated to the business unit champion.

11 – Machine Analysis

View data in regards to running time, stoppage time, stoppage reasons and other trends, by asset.



LIVELINK EQUIPMENT MONITORING – MACHINE ANALYSIS





LIVELINK EQUIPMENT MONITORING — MACHINE ANALYSIS

<u>1 – Header</u>

The business unit or machine asset being viewed. By default this will be all business unit assets over the last 14 days.

2:5 – Status Times and Quantities

The total amount of running time, planned stoppage time, unplanned stoppage time and breakdown time across the selected asset(s), including the quantity of stoppages and breakdowns.

6 – Time Allocation

Visual representation of running time, stoppage and breakdown time and unaccounted time across the selected asset(s).

7 - Stoppage Reasons

A top 10 summary of stoppage reasons across the selected asset(s), generated by the total number of minutes logged for each. By default this will show all stoppages; however, this can be changed to show planned stoppages, unplanned stoppages or breakdowns by clicking on the respective headers.

8 - Day-by-Day Time Log

A log of time spent in each status on a day-by-day schedule, by selected asset(s). This will show the last 14 days by default.

9 – Trend Analysis

The breakdown of minutes for the selected stoppage reason. This can be changed to show details regarding any of the reasons listed above.

10 - Options Menu

Select specific asset(s) as well as a time period to filter the machine analysis data

11 - Reset

Reset the machine analysis to all business unit assets over the last 14 days.

12 - Download CSV

Download the current on-screen data to a CSV file for more options within Microsoft Excel.