

MINE INFO

Instruction Manual



Web User Guide

Mine Info User Manual

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This user manual is intended to provide instructions only and does not imply a promise of any service. Access to certain features will vary from account to account.

EXECUTIVE SUMMARY

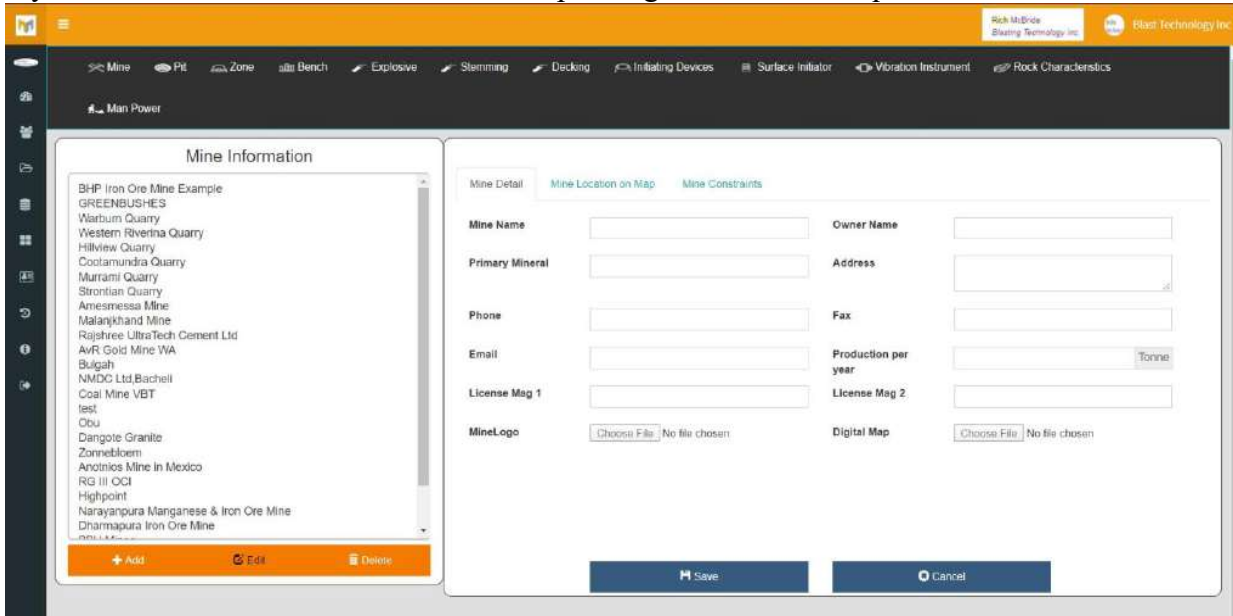
Mine info allows easy configuration of initial data like mine info, pit, zone, bench, explosive, stemming, decking, initiating devices, surface initiator, vibration instrument, rock characteristics, man power etc.

GUIDELINES FOR MANUAL USAGE

The intent of this user's guide is to provide you with an overview of the applications and each of the modules, but not to provide details on the modules' use. It contains descriptions of the modules and applications, as well as general information about their use and relationships. In general, this guide provides an introduction to the applications with on-line Help providing the detail.

MINE INFORMATION:

Initial configuration information has to be provided in the beginning by the user and would be visible in BIMS. It includes information about the mine, pit, zone, bench, explosive etc. Further, any additional information can be stored depending on the user's requirement.

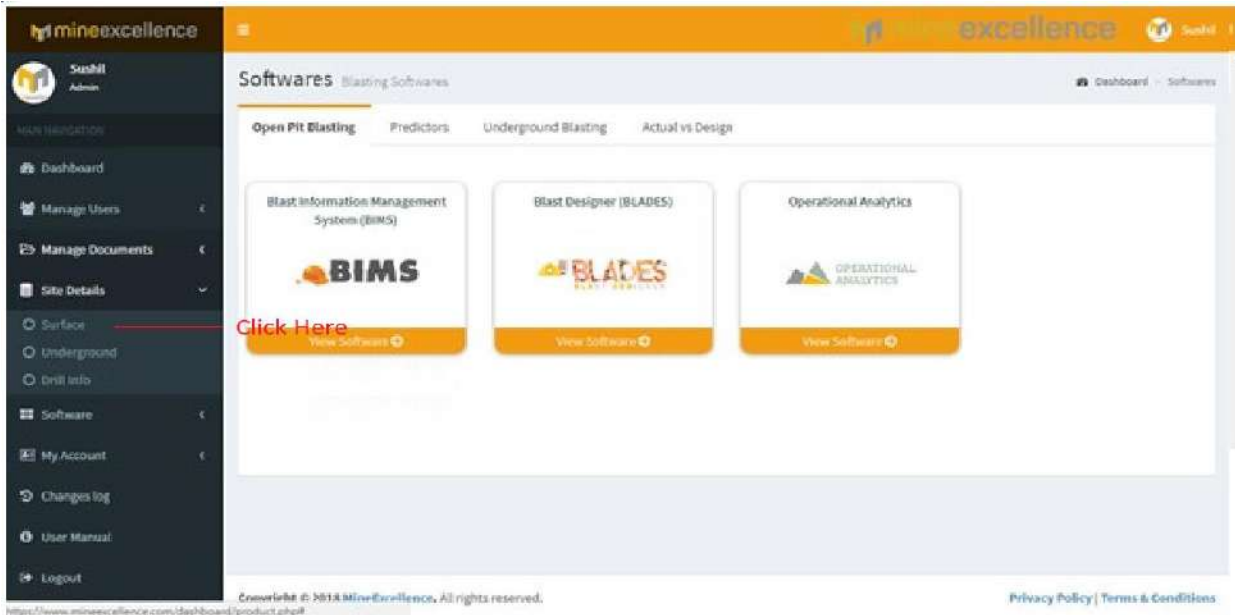


The screenshot shows the 'Mine Information' form in the DRIMS application. The form is divided into two main sections: a list of mines on the left and a detailed form on the right. The list of mines includes: BHP Iron Ore Mine Example, GREENBUSHES, Warburm Quarry, Western Riverina Quarry, Hillview Quarry, Coolamundra Quarry, Murrumbidgee Quarry, Strontian Quarry, Amesmesa Mine, Malankhand Mine, Rajshree UltraTech Cement Ltd, AvR Gold Mine WA, Bulgah, NMDCLtd,Bachell, Coal Mine VBT, Iest, Olu, Dangote Granite, Zornelboom, Anotimos Mine In Mexico, RG III OCI, Highpoint, Narayanpura Manganese & Iron Ore Mine, and Dharmapura Iron Ore Mine. The detailed form on the right has tabs for 'Mine Detail', 'Mine Location on Map', and 'Mine Constraints'. It contains fields for Mine Name, Owner Name, Primary Mineral, Address, Phone, Fax, Email, Production per year (with a 'Tonne' unit selector), License Mag 1, License Mag 2, MineLogo, and Digital Map. Each of the last three fields has a 'Choose File' button and 'No file chosen' text. At the bottom of the form are 'Save' and 'Cancel' buttons.

Central DRIMS Information Capture

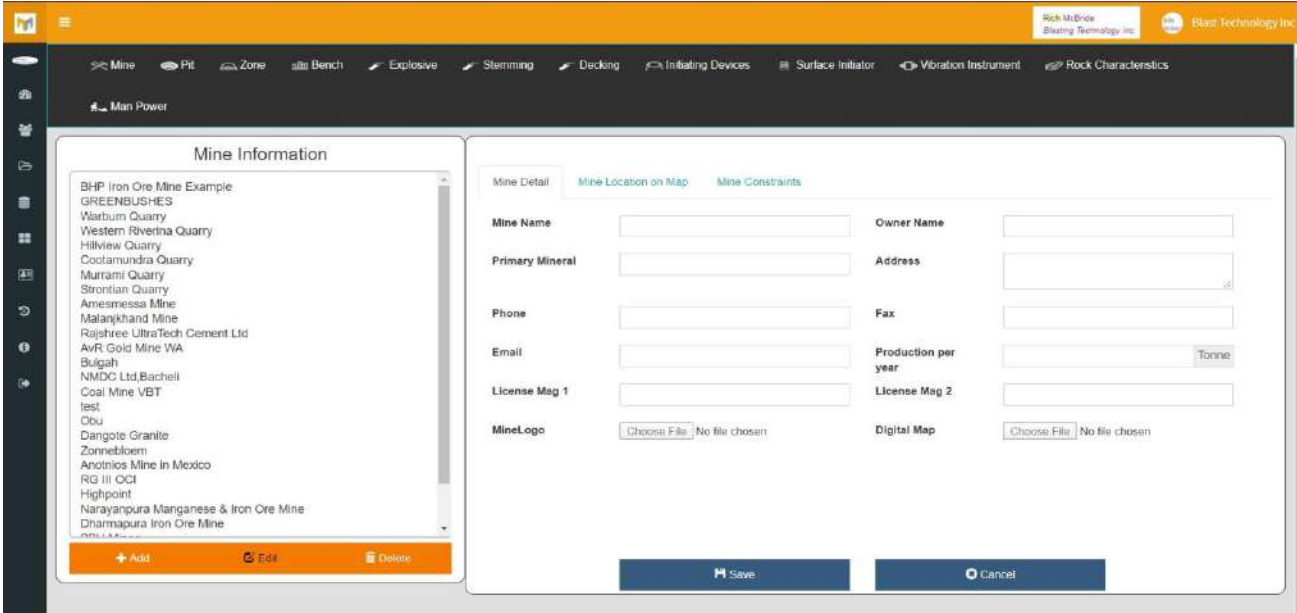
STARTING THE WEB APPLICATION

After Login into Mine Excellence, click on “Site Details” on the left menu and then click on “Surface”.



The screenshot shows the Mine Excellence web application dashboard. The user is logged in as 'Sushil Admin'. The left sidebar menu is expanded to 'Site Details', and the 'Surface' option is selected. The main content area is titled 'Softwares' and shows three software options: 'Blast Information Management System (BIMS)', 'Blast Designer (BLADES)', and 'Operational Analytics'. Each option has a 'View Software' button. A red arrow points to the 'View Software' button for BIMS with the text 'Click Here'. The footer contains the URL 'https://www.mineexcellence.com/dashboard/product.php#', copyright information '© 2018 Mine Excellence. All rights reserved.', and links for 'Privacy Policy' and 'Terms & Conditions'.

MINE DETAILS:



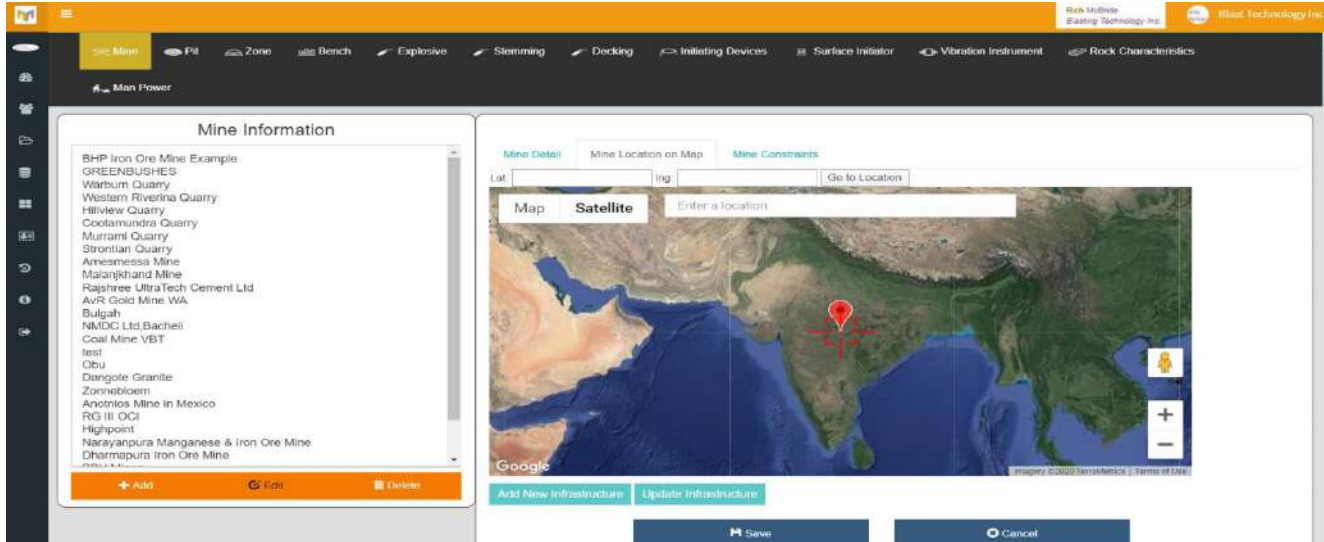
The screenshot shows the 'Mine Information' form. On the left is a list of mine names with '+ Add', 'Edit', and 'Delete' buttons. The main form has tabs for 'Mine Detail', 'Mine Location on Map', and 'Mine Constraints'. The 'Mine Detail' tab is active, showing fields for Mine Name, Owner Name, Primary Mineral, Address, Phone, Fax, Email, Production per year (with a 'Tonnes' unit selector), License Mag 1, License Mag 2, MineLogo, and Digital Map. Each of the last four fields has a 'Choose File' button and 'No file chosen' text. 'Save' and 'Cancel' buttons are at the bottom.

Adding a new Mine: Click on “Add” button in the above image and fill the information like mine name, owner name, email etc. and click on “Save”.

Editing Existing Mine: Select the mine that you want to edit and click on “Edit” button in the above image and change the required information like mine name, owner name, email etc. and click on “Save”.

Deleting Existing Mine: Select the mine that you want to delete and click on delete button.

MINE LOCATION ON MAP-



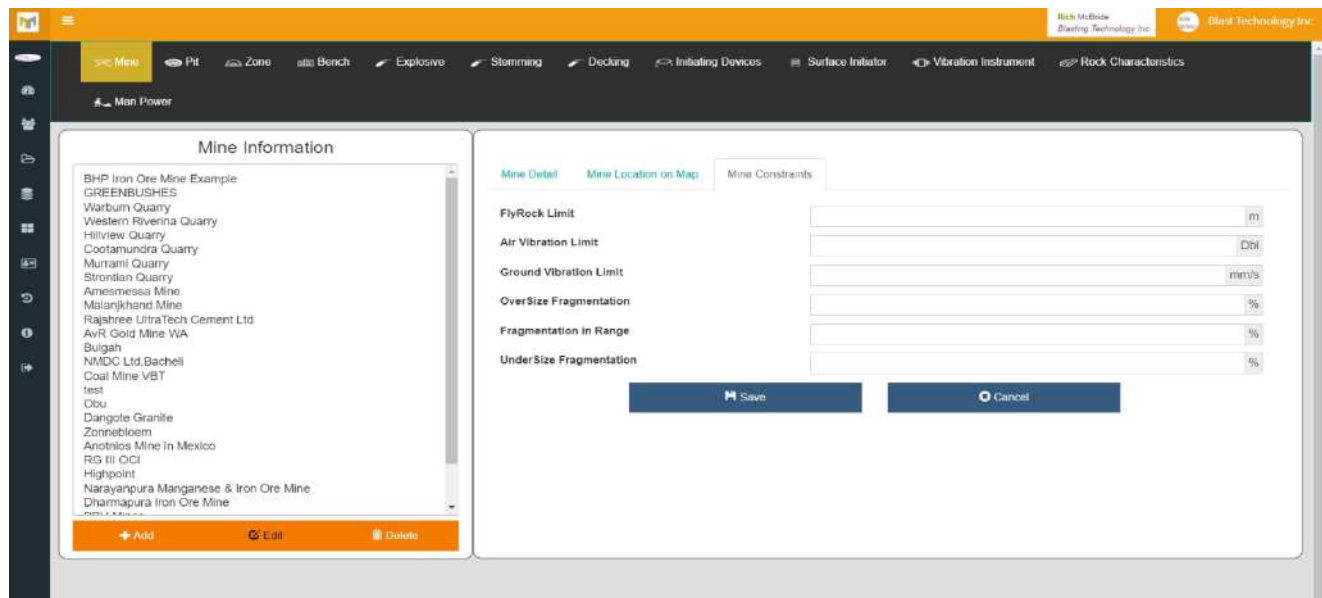
The screenshot shows the 'Mine Location on Map' form. The 'Mine Location on Map' tab is active. It features a Google Maps interface with a red location pin. Above the map is a search bar with 'Enter a location' and a 'Go to Location' button. Below the map are 'Add New Infrastructure' and 'Update Infrastructure' buttons. 'Save' and 'Cancel' buttons are at the bottom.

Adding a new Mine Location: Click on “Add” button in the above image and fill the location and mark the Mine location in Map and click on “Save” button.

Editing Existing Mine Location: Select the mine that you want to edit the location and click on “Edit” button in the above image and change the location and click on “Save” button.

Deleting Existing Mine Location: Select the mine location that you want to delete and click on delete button.

MINE CONSTRAINTS-



Adding a new Mine Constraints: Click on “Add” button in the above image and fill the information about the mine constraints and click on “Save” button.

Editing Existing Mine Constraints: Select the mine constraints that you want to edit the and click on “Edit” button in the above image and change the mine constraints and click on “Save” button.

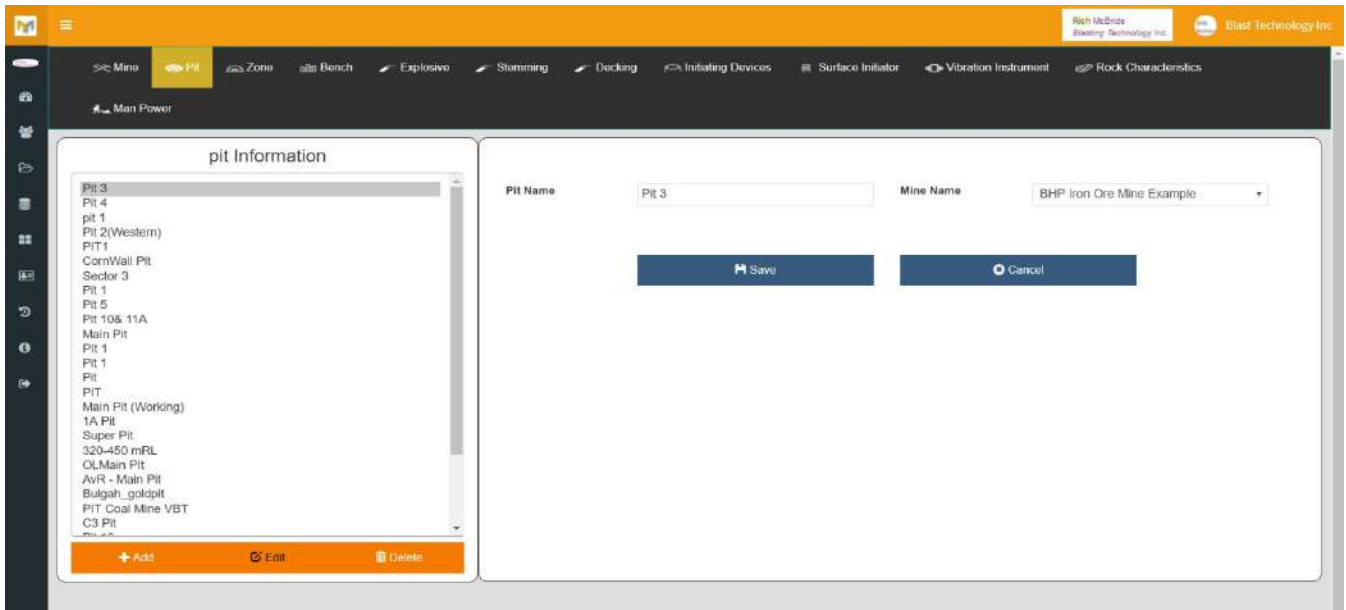
Deleting Existing Mine Constraints: Select the mine constraints that you want to delete and click on delete button.

PIT INFORMATION:

Adding a new Pit: Click on “Add” button and fill the information like pit name and select a mine from the drop down and click on “Save”.

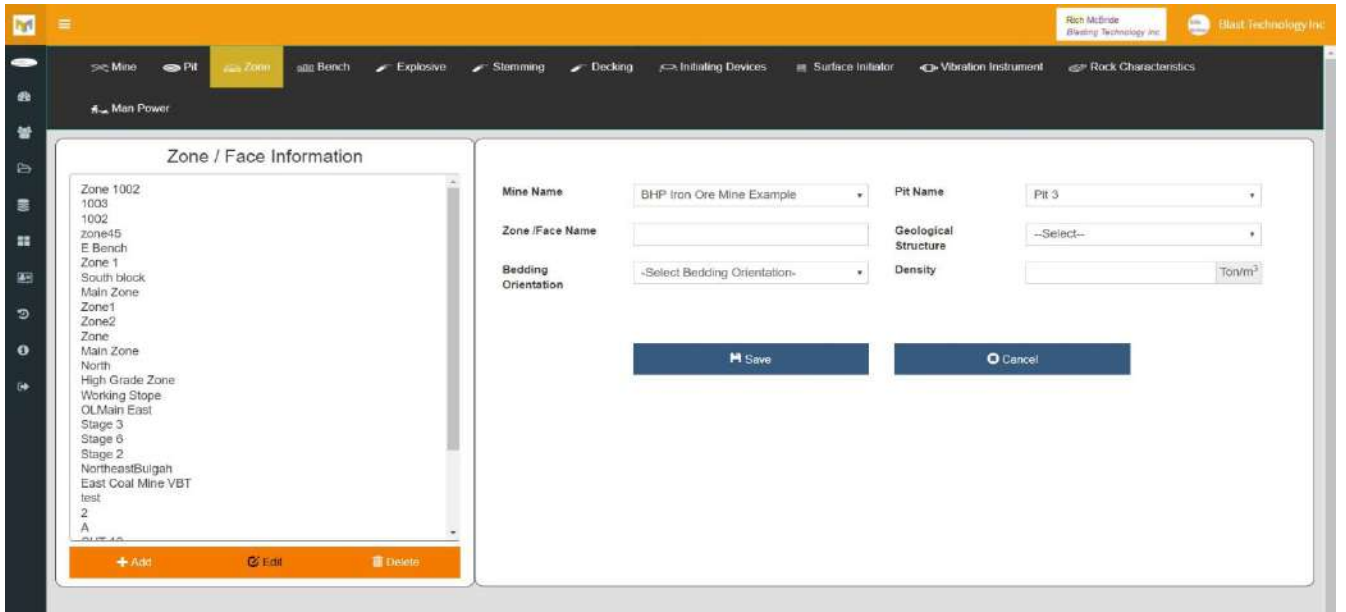
Editing Existing Pit: Select the pit that you want to edit and click on “Edit” button below and change the required information like pit name & select a different mine from drop down and click on “Save”.

Deleting Existing Pit: Select the pit that you want to delete and click on delete button.



The screenshot shows the 'Pit Information' form. On the left is a list of pits including Pit 3, Pit 4, pit 1, Pit 2(Western), PIT1, CornWall Pit, Sector 3, Pit 1, Pit 5, Pit 10& 11A, Main Pit, Pit 1, Pit 1, PIT, Main Pit (Working), 1A Pit, Super Pit, 320-450 mRL, OLMain Pit, AvR - Main Pit, Bulgah_goldpit, PIT Coal Mine VBT, and C3 Pit. The right side of the form has a 'Pit Name' field with 'Pit 3' selected, a 'Mine Name' dropdown menu with 'BHP Iron Ore Mine Example' selected, and 'Save' and 'Cancel' buttons at the bottom.

ZONE / FACE INFORMATION



The screenshot shows the 'Zone / Face Information' form. On the left is a list of zones and faces including Zone 1002, 1003, 1002, zone45, E Bench, Zone 1, South block, Main Zone, Zone1, Zone2, Zone, Main Zone, North, High Grade Zone, Working Stope, OLMain East, Stage 3, Stage 6, Stage 2, NortheastBulgah, East Coal Mine VBT, test, 2, and A. The right side of the form has a 'Mine Name' dropdown menu with 'BHP Iron Ore Mine Example' selected, a 'Pit Name' dropdown menu with 'Pit 3' selected, a 'Zone /Face Name' text field, a 'Geological Structure' dropdown menu with '--Select--' selected, a 'Bedding Orientation' dropdown menu with '--Select Bedding Orientation--' selected, and a 'Density' text field with 'Ton/m³' selected. 'Save' and 'Cancel' buttons are at the bottom.

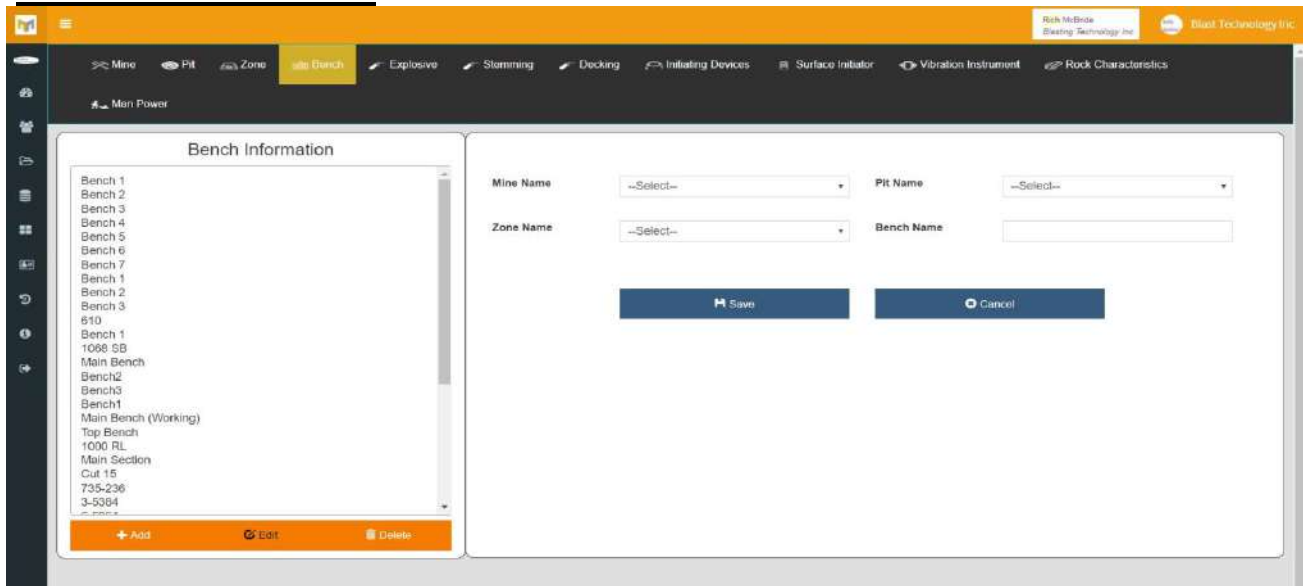
Adding a new Zone/Face: Click on “Add” button in the above image and fill the information about zone/face and click on “Save” button.

Editing Existing Zone/Face: Select the zone/face that you want to edit and click on “Edit” button in the above image and change the required information like mine name, zone name ,etc and click on “Save” button.

Deleting Existing Zone/Face: Select the zone/face name that you want to delete and

click on “delete” button.

BENCH INFORMATION



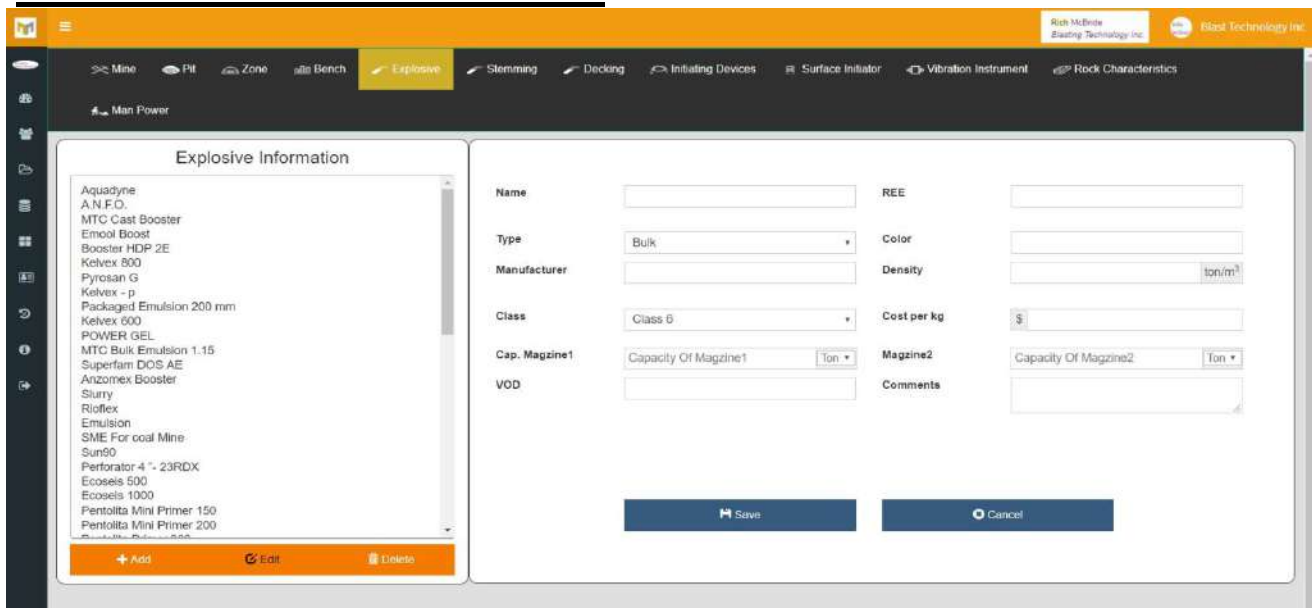
The screenshot shows the 'Bench Information' form. On the left is a list of existing benches with 'Add', 'Edit', and 'Delete' buttons at the bottom. The main form area contains dropdown menus for 'Mine Name', 'Pit Name', and 'Zone Name', and a text input for 'Bench Name'. 'Save' and 'Cancel' buttons are at the bottom right.

Adding a new Bench: Click on “Add” button in the above image and fill the information about new bench and click on “Save” button.

Editing Existing Bench: Select the bench that you want to edit and click on “Edit” button in the above image and change the required information like mine name, zone name, bench name and click on “Save” button.

Deleting Existing Bench: Select the bench name that you want to delete and click on “delete” button.

EXPLOSIVE INFORMATION:



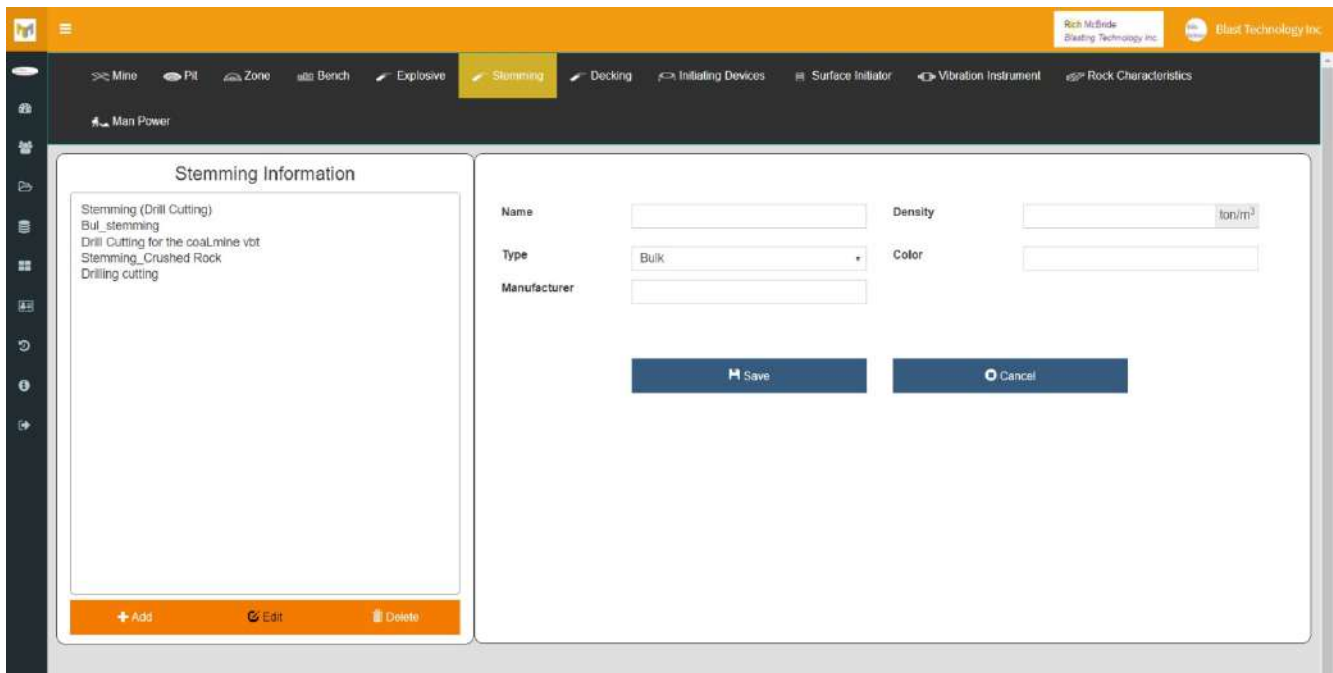
The screenshot shows the 'Explosive Information' form. On the left is a list of explosive types with 'Add', 'Edit', and 'Delete' buttons at the bottom. The main form area contains input fields for 'Name', 'Type', 'Manufacturer', 'Class', 'Cap. Magazine1', 'VOD', 'REE', 'Color', 'Density', 'Cost per kg', 'Magazine2', and 'Comments'. 'Save' and 'Cancel' buttons are at the bottom right.

Adding a new Explosive: Click on “Add” button in the above image and fill the information about new Explosive like name, type, ree, color, manufacturer, etc and click on “Save” button.

Editing Existing Explosive: Select the Explosive that you want to edit and click on “Edit” button in the above image and change the required information like name, type , color, etc and click on “Save” button.

Deleting Existing Explosive: Select the Explosive name that you want to delete and click on “delete” button.

STEMMING INFORMATION:

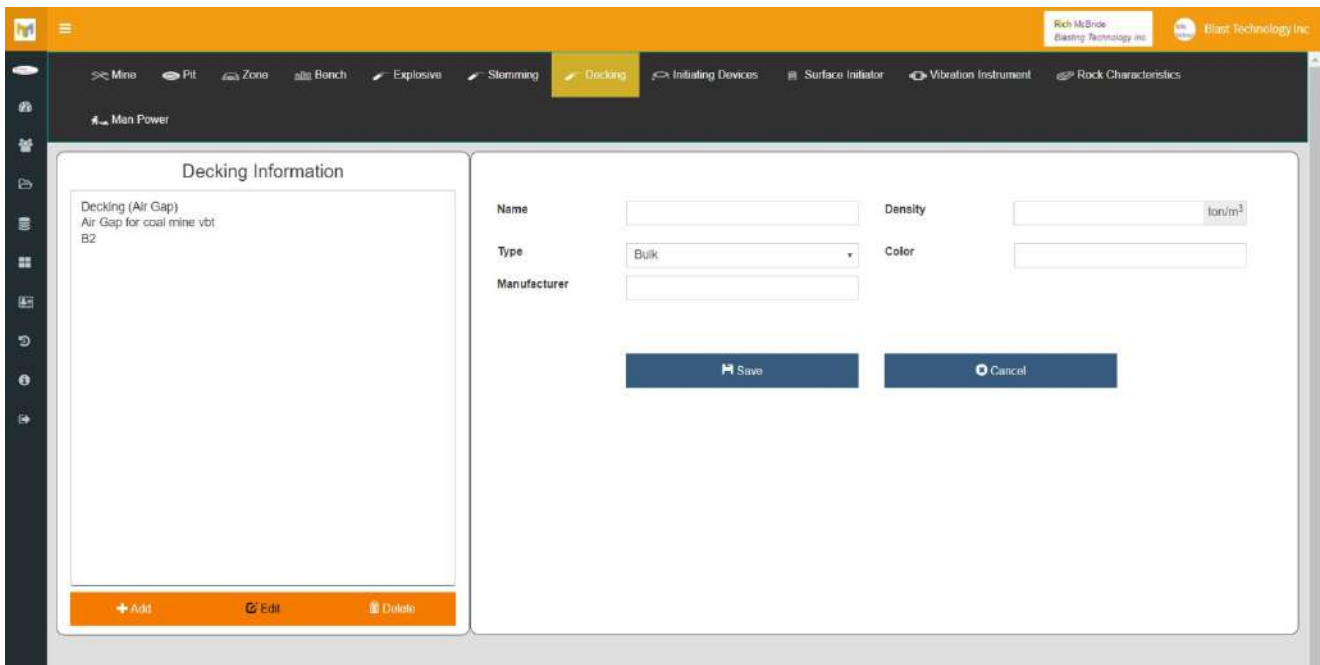


Adding a new Stemming: Click on “Add” button in the above image and fill the information like name, density, type, color, manufacturer and click on “Save” button.

Editing Existing Stemming: Select the stemming that you want to edit and click on “Edit” button in the above image and change the required information and click on “Save” button.

Deleting Existing Stemming: Select the stemming that you want to delete and click on “delete” button.

DECKING INFORMATION:



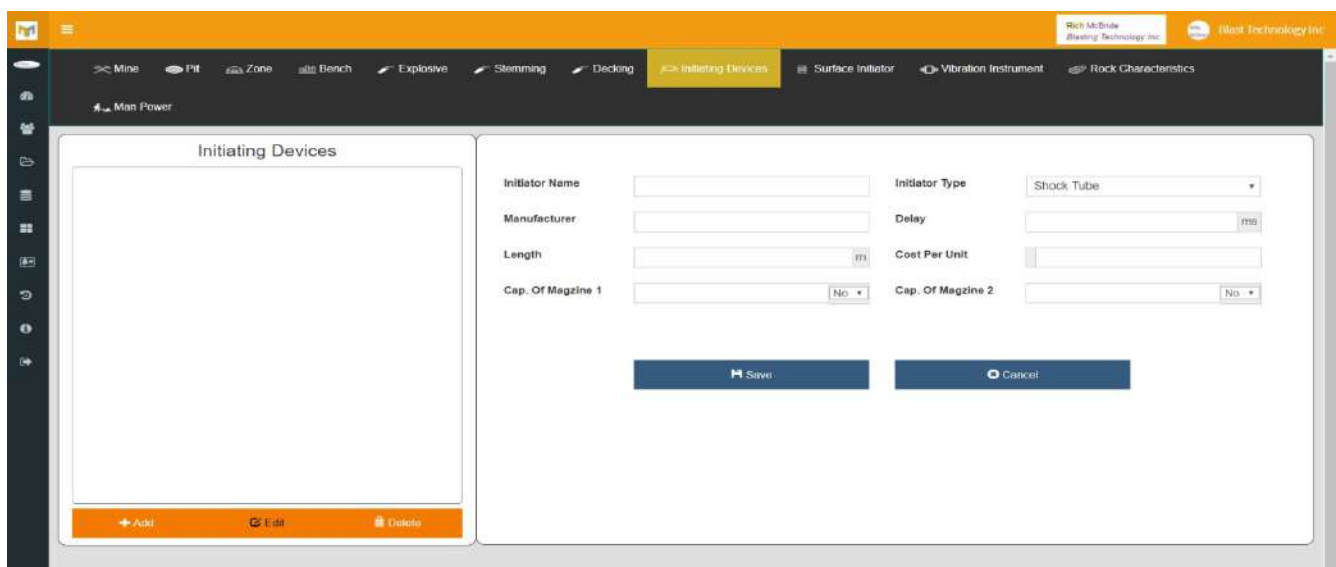
The screenshot shows the 'Decking Information' form. On the left is a list of existing decking items, currently containing 'Decking (Air Gap) Air Gap for coal mine vbt B2'. Below the list are 'Add', 'Edit', and 'Delete' buttons. The main form area contains fields for Name, Density (with unit ton/m³), Type (set to 'Bulk'), Color, and Manufacturer. At the bottom are 'Save' and 'Cancel' buttons.

Adding a new Decking info: Click on “Add” button in the above image and fill the information about decking like name, density, type, color, etc and click on “Save” button.

Editing Existing Decking info: Select the decking that you want to edit and click on “Edit” button in the above image and change the required information and click on “Save” button.

Deleting Existing Decking info: Select the decking that you want to delete and click on “delete” button.

INITIATING DEVICES:



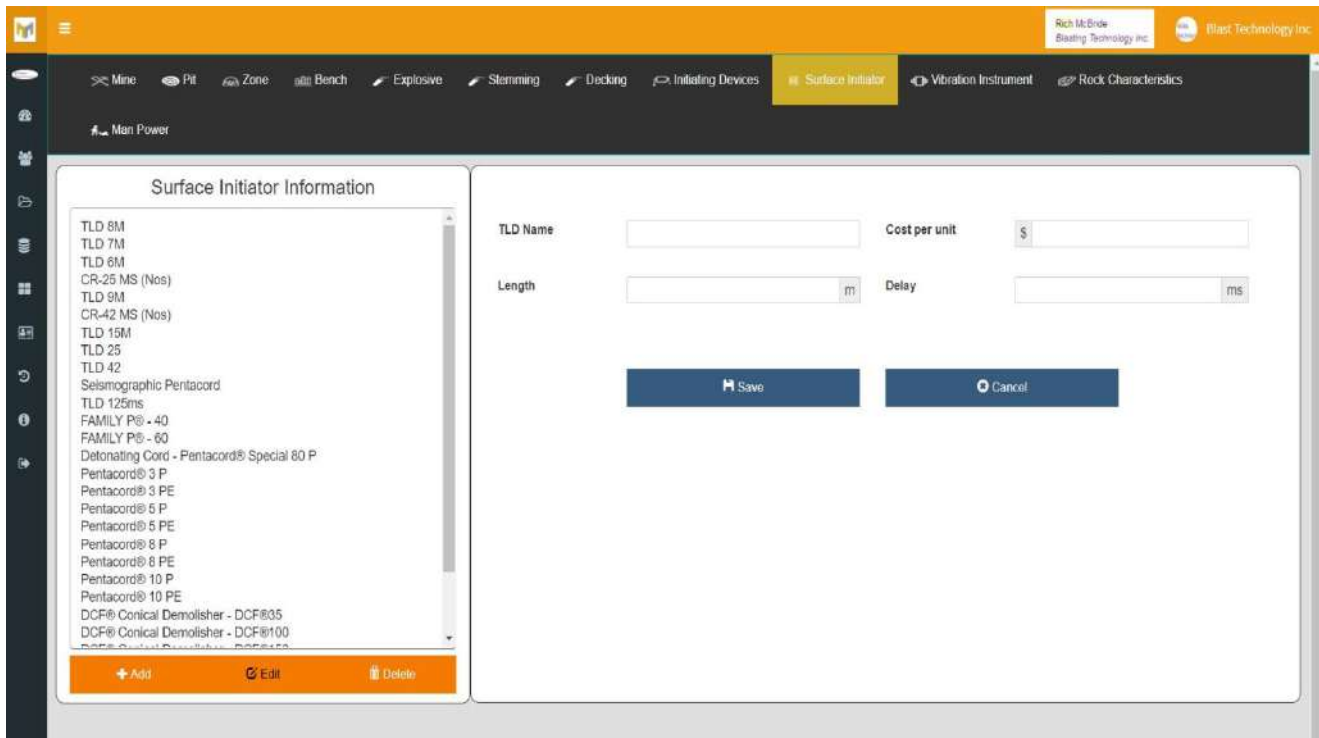
The screenshot shows the 'Initiating Devices' form. On the left is a list of existing initiating devices, currently empty. Below the list are 'Add', 'Edit', and 'Delete' buttons. The main form area contains fields for Initiator Name, Manufacturer, Length (with unit m), Cap. Of Magazine 1 (with dropdown 'No'), Initiator Type (dropdown 'Shock Tube'), Delay (with unit ms), Cost Per Unit, and Cap. Of Magazine 2 (with dropdown 'No'). At the bottom are 'Save' and 'Cancel' buttons.

Adding a new Initiating Device: Click on “Add” button in the above image and fill the information about initiating device like initiator name, initiator type, manufacturer, delay, length, cost per unit, etc and click on “Save” button.

Editing Existing Initiating Device: Select the initiating device that you want to edit and click on “Edit” button in the above image and change the required information and click on “Save” button.

Deleting Existing Initiating Device: Select the initiating device that you want to delete and click on “delete” button.

SURFACE INITIATOR:



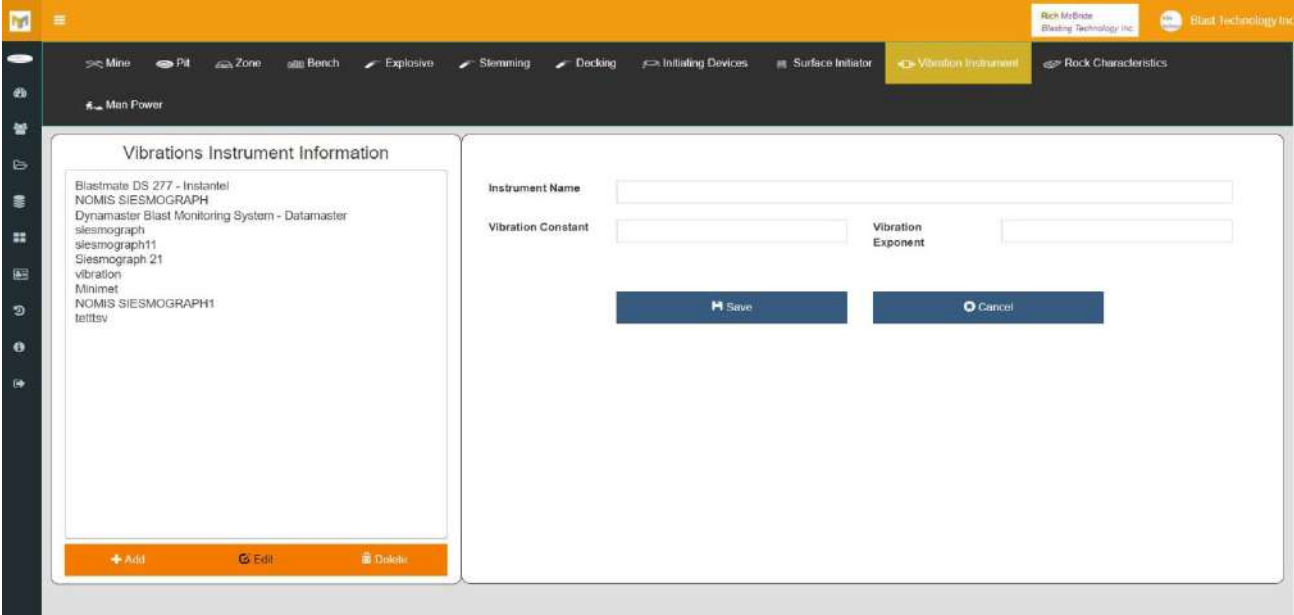
The screenshot shows a software interface for managing surface initiators. At the top, there is a navigation bar with various menu items: Mine, Pit, Zone, Bench, Explosive, Stemming, Decking, Initiating Devices, **Surface Initiator** (highlighted), Vibration Instrument, and Rock Characteristics. Below the navigation bar, there is a sidebar with icons for different functions. The main content area is titled "Surface Initiator Information" and is divided into two sections. On the left, there is a list of initiating devices, including TLD 8M, TLD 7M, TLD 6M, CR-25 MS (Nos), TLD 9M, CR-42 MS (Nos), TLD 15M, TLD 25, TLD 42, Selsmographic Pentacord, TLD 125ms, FAMILY P® - 40, FAMILY P® - 60, Detonating Cord - Pentacord® Special 80 P, Pentacord® 3 P, Pentacord® 3 PE, Pentacord® 5 P, Pentacord® 5 PE, Pentacord® 8 P, Pentacord® 8 PE, Pentacord® 10 P, Pentacord® 10 PE, DCF® Conical Demolisher - DCF®35, and DCF® Conical Demolisher - DCF®100. At the bottom of this list are three buttons: "+ Add", "Edit", and "Delete". On the right, there is a form for adding or editing a device. It contains four input fields: "TLD Name", "Cost per unit" (with a dollar sign icon), "Length" (with a meter icon), and "Delay" (with a millisecond icon). Below the form are two buttons: "Save" and "Cancel".

Adding a new Surface Initiator: Click on “Add” button in the above image and fill the information about new surface initiator like TLD name, cost per unit, delay, length and click on “Save” button.

Editing Existing Surface Initiator: Select the surface initiator that you want to edit and click on “Edit” button in the above image and change the required information and click on “Save” button.

Deleting Existing Surface Initiator: Select the surface initiator that you want to delete and click on “delete” button.

VIBRATION INSTRUMENT:

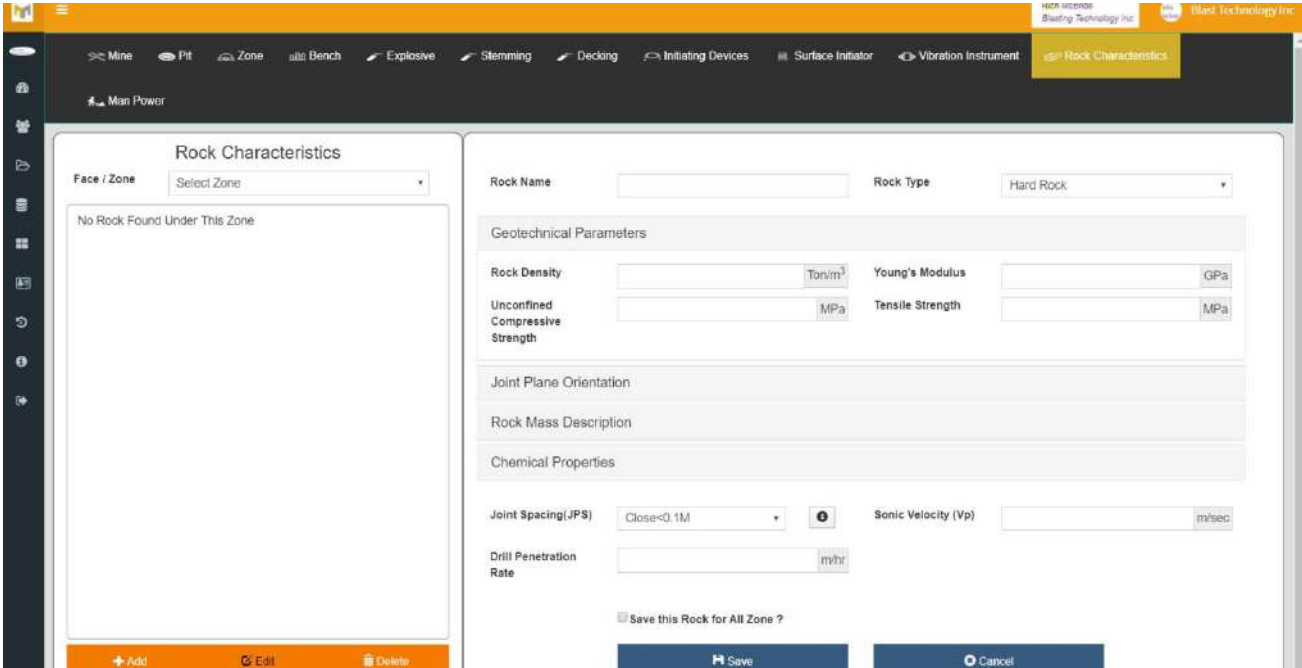


Adding a new Vibration Instrument: Click on “Add” button in the above image and fill the information about new vibration instrument like instrument name, vibration constant, vibration exponent and click on “Save” button.

Editing Existing Vibration Instrument: Select the vibration instrument that you want to edit and click on “Edit” button in the above image and change the required information and click on “Save” button.

Deleting Existing Vibration Instrument: Select the vibration instrument that you want to delete and click on “delete” button.

ROCK CHARACTERISTICS:



Adding a new Rock Characteristics: Click on “Add” button in the above image and fill the information about rock characteristics like rock name, rock type, and click on “Save” button.

Editing Existing Rock Characteristics: Select the rock characteristics that you want to edit and click on “Edit” button in the above image and change the required information and click on “Save” button.

Deleting Existing Rock Characteristics: Select the rock characteristics that you want to delete and click on delete button.

- **Geotechnical Parameters -**

Click on “Geotechnical Parameters” button in the above image and fill the information about rock’s Geotechnical Parameters like rock density, young’s modulus, tensile strength, unconfined compressive strength and click on “Save” button.

- **Joint Plane Orientation -**

Click on “Joint Plane Orientation” button in the above image and fill the information about rock’s Plane Orientation and click on “Save” button.

- **Rock Mass Description -**

Click on “Rock Mass Description” button in the above image and fill the information about the rock’s Mass and click on “Save” button.

- **Chemical Properties –**

Click on “Chemical Properties” button in the above image and fill the information about the rock’s Chemical properties like calcium oxide , silicon, aluminum oxide, etc and click on “Save” button.

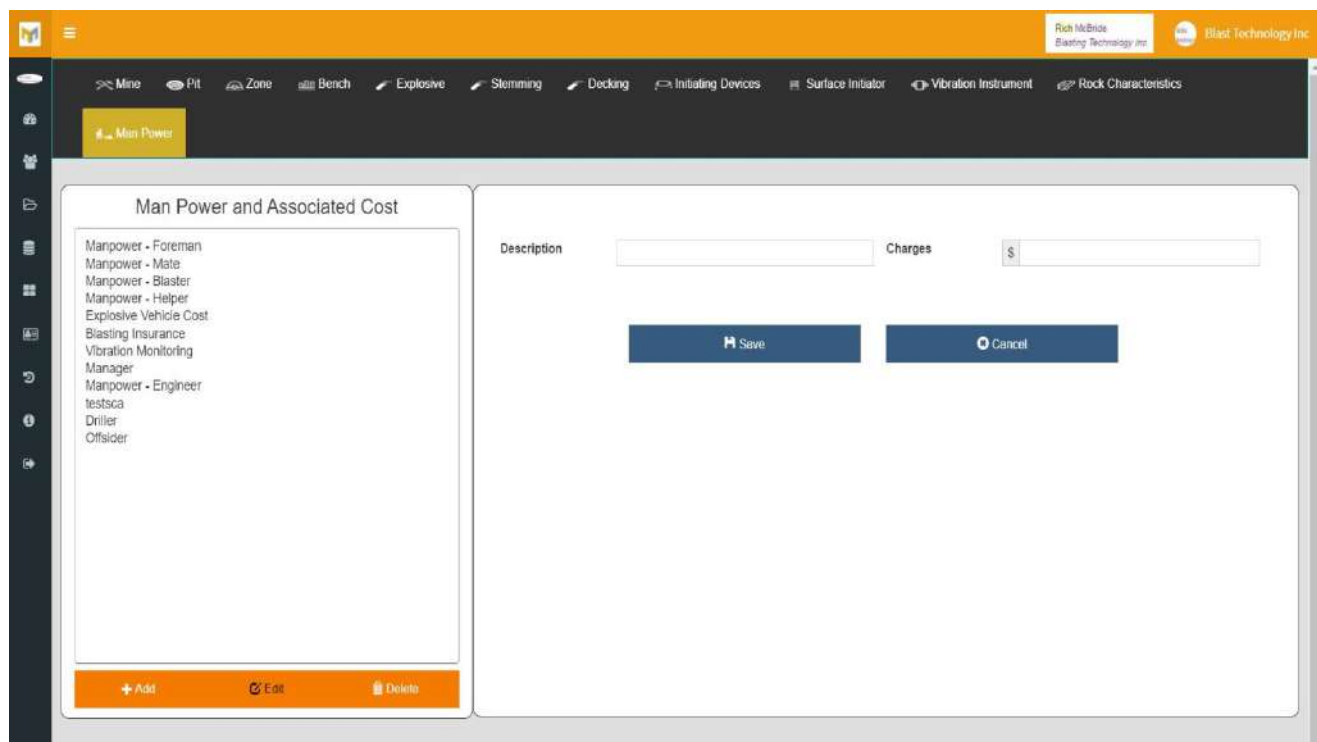
Save this Rock for All Zone:

Click on the check box in the above image to save the new Rock for All Zone/Face.

Face / Zone :

Click on “Select Zone” and select a Zone/Face from the drop down list to add a Rock in that Zone.

MAN POWER:



Adding a new Man Power: Click on “Add” button in the above image and fill the information about new Man Power like description, charges and click on “Save” button.

Editing Existing Man Power: Select the Man Power that you want to edit and click on “Edit” button in the above image and change the required information and click on “Save” button.

Deleting Existing Man Power: Select the Man Power that you want to delete and click on “delete” button