NIOTANTEK Geomap Platform Instructions Manual

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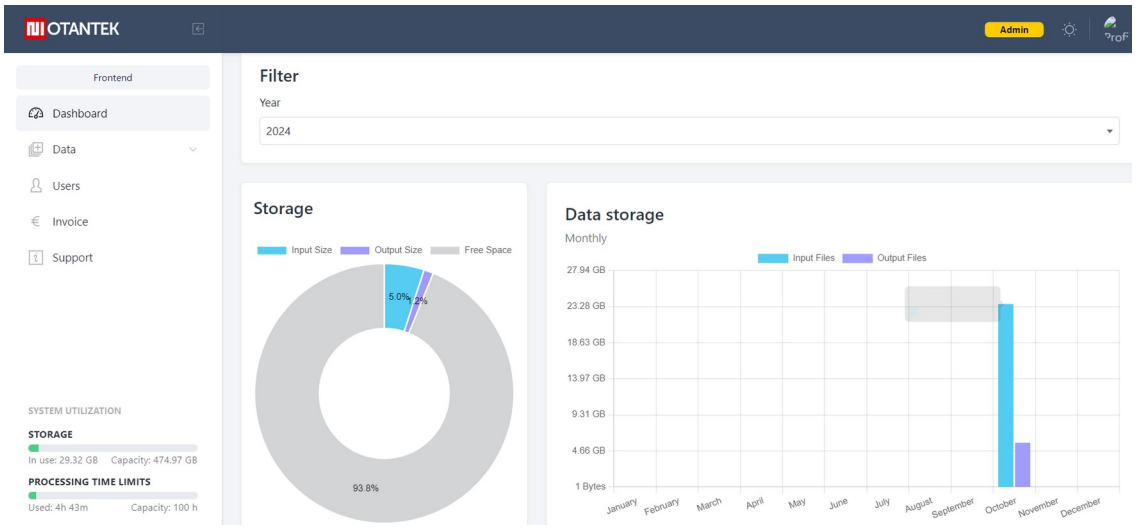
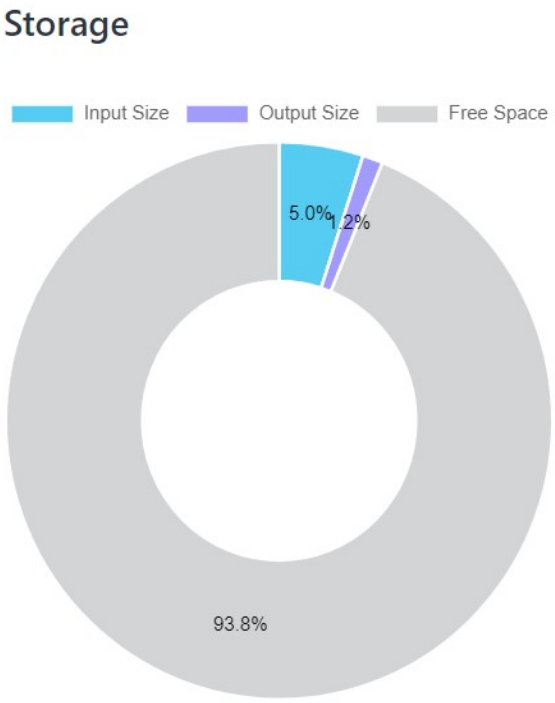
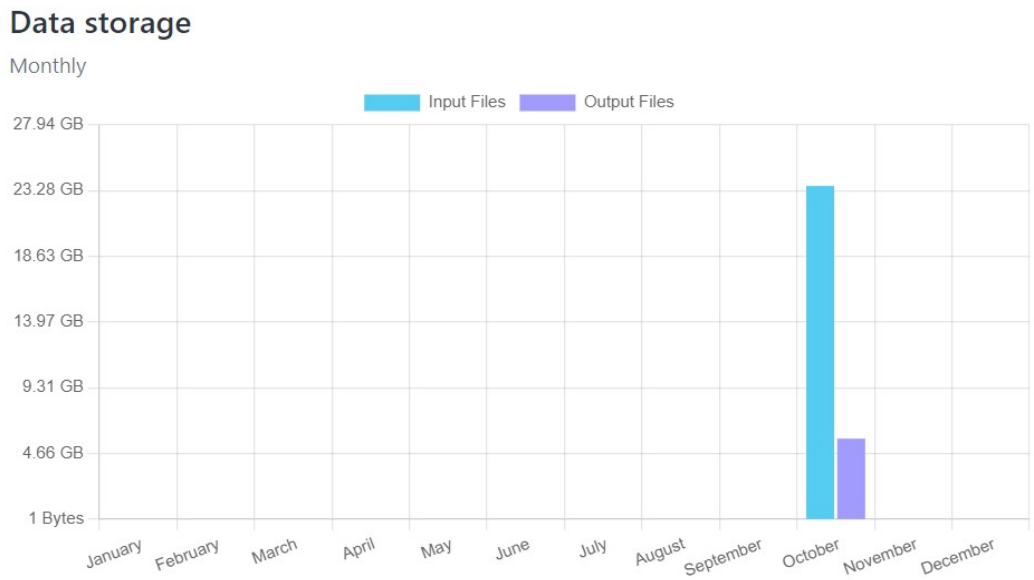
Content


OTANTEK
Admin
Frontend
Dashboard
Data
Users
Invoice
Support
SYSTEM UTILIZATION
STORAGE
In use: 29.32 GB
Capacity: 474.97 GB
PROCESSING TIME LIMITS
Used: 4h 43m
Capacity: 100 h
Filter
Year
2024
Storage
Input Size
Output Size
Free Space
5.0%
1.2%
93.8%
Data storage
Monthly
Input Files
Output Files
27.94 GB
23.28 GB
18.63 GB
13.97 GB
9.31 GB
4.66 GB
1 Bytes
January
February
March
April
May
June
July
August
September
October
November
December


Storage
Input Size
Output Size
Free Space
5.0%
1.2%
93.8%

1-



Dashboard

The first page you will encounter is the Dashboard.

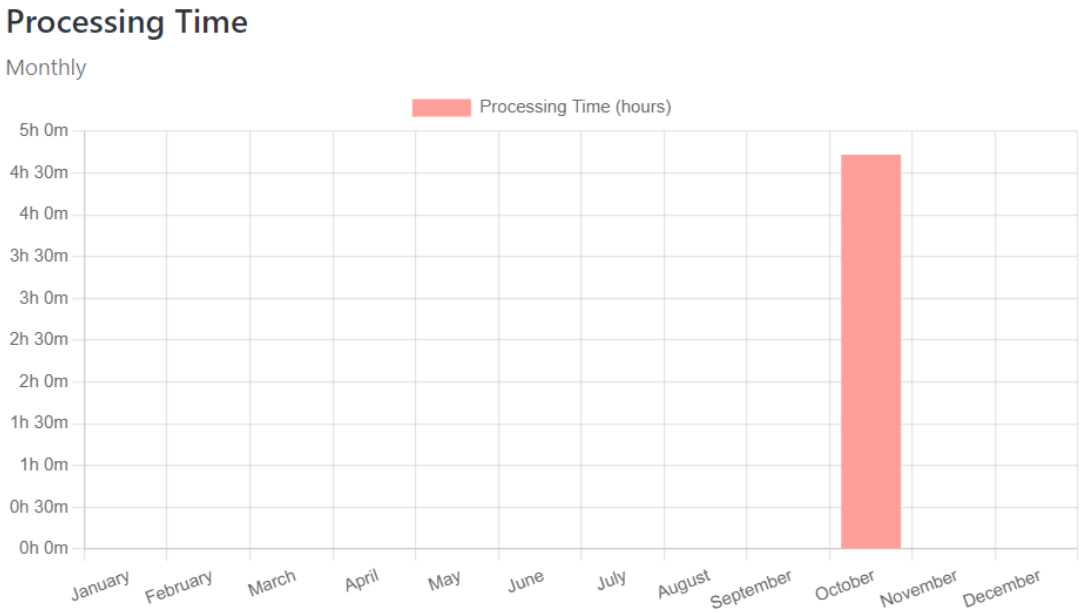


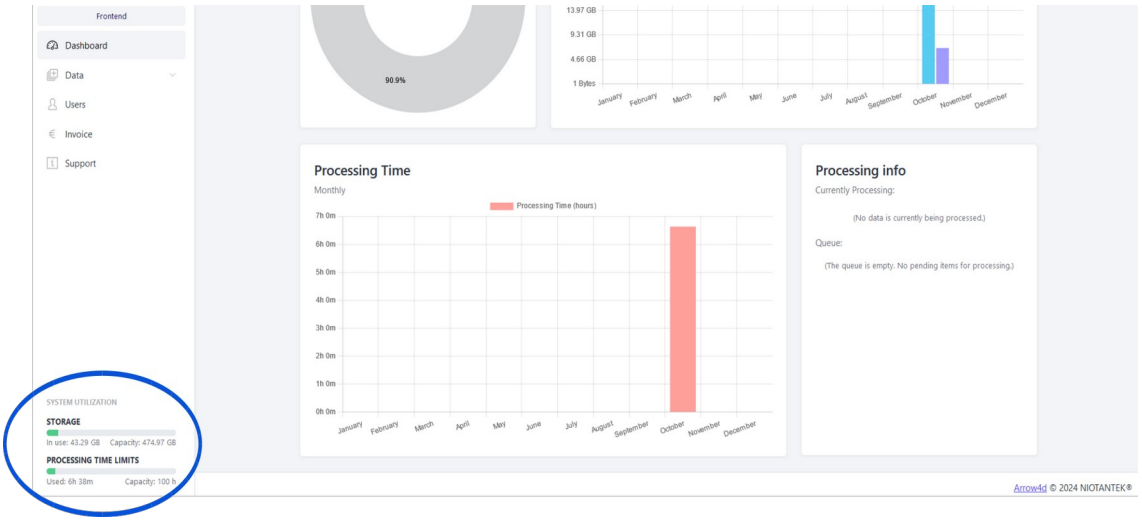
Figure 1 – Initial Page

On the **Dashboard**, you can view the specifics of your account, which include storage limits, processing time limits, the status of processing, and the date of the data you have submitted. You can filter this information by year using the Filter bar.

The chart depicting **Storage** (Figure 1.1) illustrates the percentage distribution of available space. The grey section indicates free space, while the light blue section shows the space taken up by **Inputs** (Data Inputs), and the purple section represents the space allocated for **Outputs** (Data Outputs).

Inputs are the data that are uploaded to the platform for processing. In contrast, **Outputs** are the data that, once processed appropriately, are ready to be transferred or used as required.

Figure 1.1 – Storage Chart



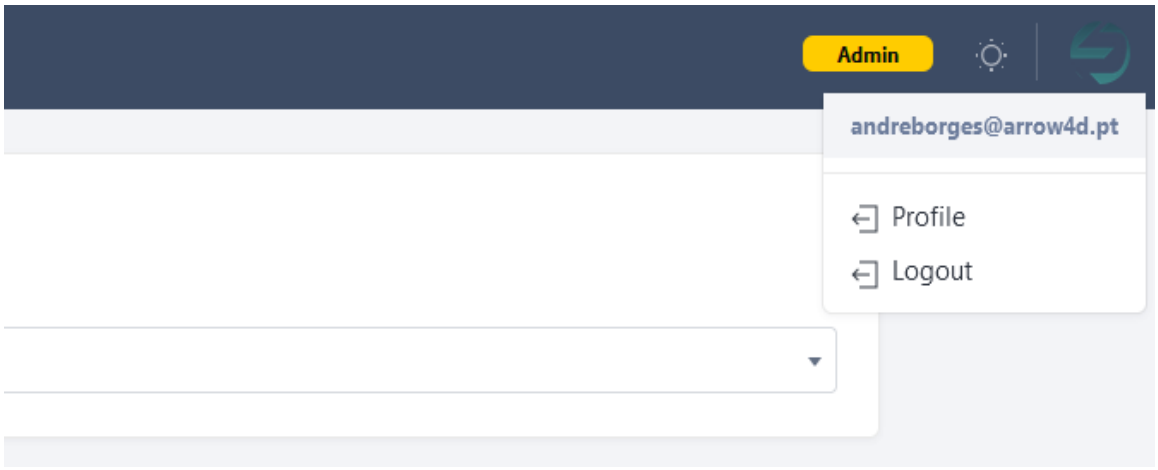
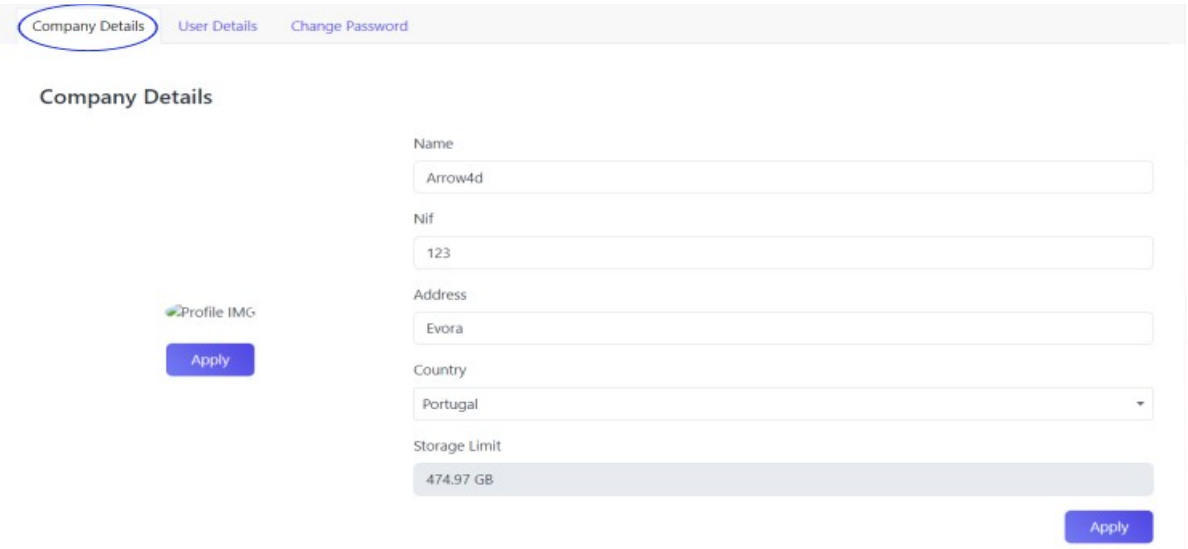


Figure 1.2 – Data Storage

The **Data Storage** chart (Figure 1.2) depicts the usage of space over time, showing the amount of data stored and the corresponding month in which that space was utilized. This chart highlights both the data that has been entered into the platform and the data that has been received following its processing.



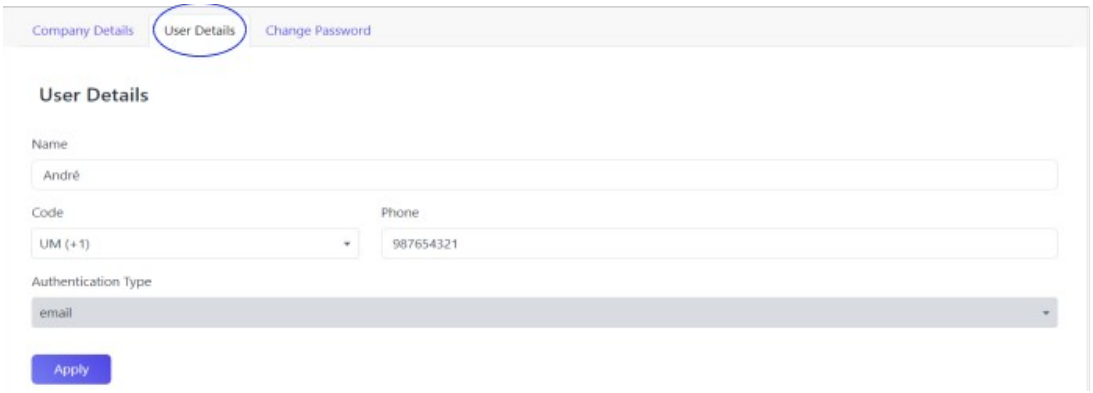
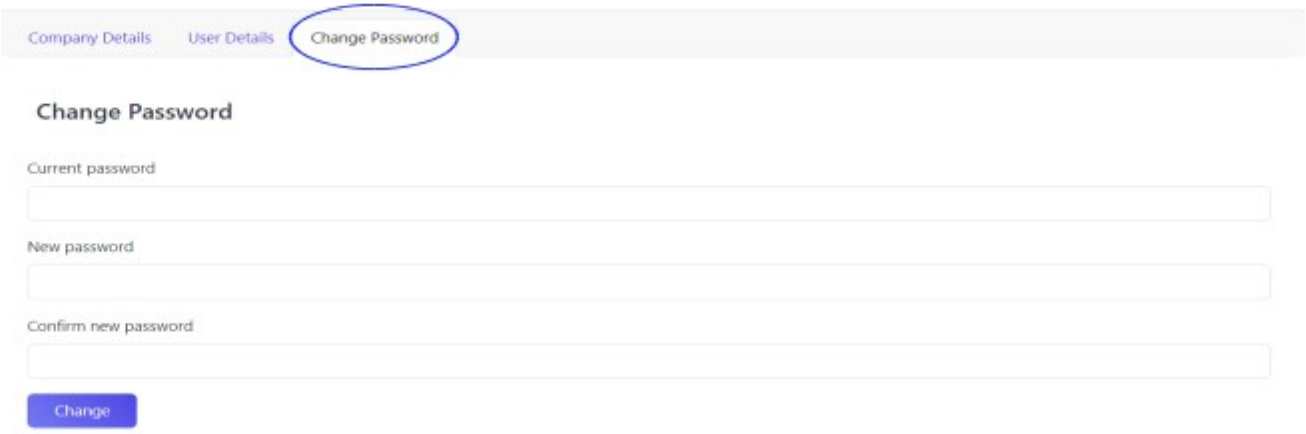


Figure 1.3 – Processing Time

The **Processing Time** chart (Figure 1.3) displays the number of hours utilized by our servers, distributed over time. This chart illustrates the relationship between processing time and the month in which that processing took place, enabling a clear analysis of the servers' workload over time.

The **Processing Info** (Figure 1.4) offers an in-depth look at the present status of data processing. The **Currently Processing** section lists the data that is actively being processed, whereas the **Queue** section



outlines the dates of requests that are awaiting processing.

Figure 1.4 Processing Info

The **System Utilization** section is located in the bottom left corner of the interface and features two bars that turn green as you use the system (Figure 1.5).

The **Storage** bar indicates the amount of data currently in use compared to the maximum storage capacity available. Meanwhile, the **Processing Time Limits** bar displays the time used so far and the maximum monthly time that can be allocated for data processing.

This view allows for effective monitoring of available resources and their usage over time, and you can always request an increase in limits through the support page.

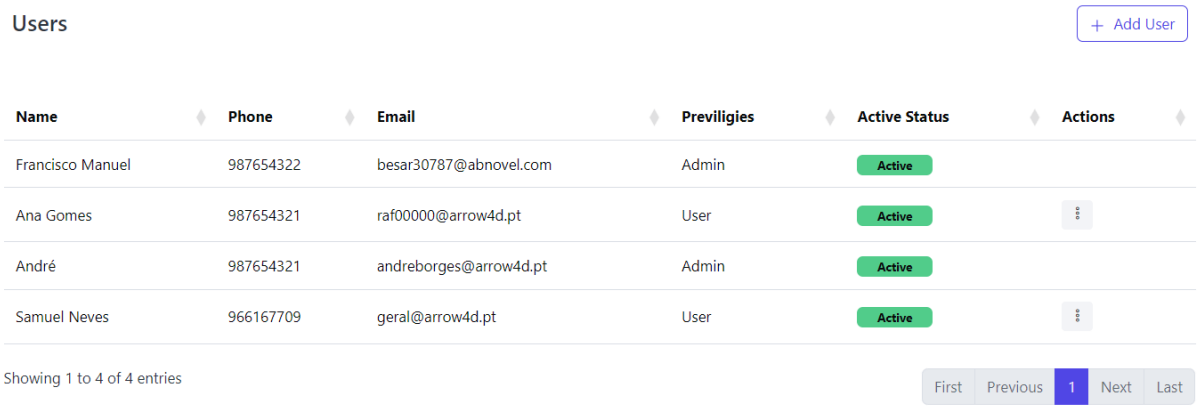
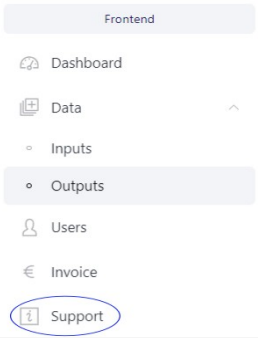


Figure 1.5 – System Utilization

2- Account, Profile, and Password



To view the account details, navigate to the top right corner of the interface. There, you will see your profile picture; click on it to reveal a dropdown menu, and then select the **Profile** option (Figure 2).

Once you are on the profile page, you will encounter a variety of information. This includes the **Company Details** section, which provides pertinent information about your organization, as well as the **User Details** section that contains your personal account information. Additionally, you will find the option to **Change Password**, allowing you to update your password for enhanced security.

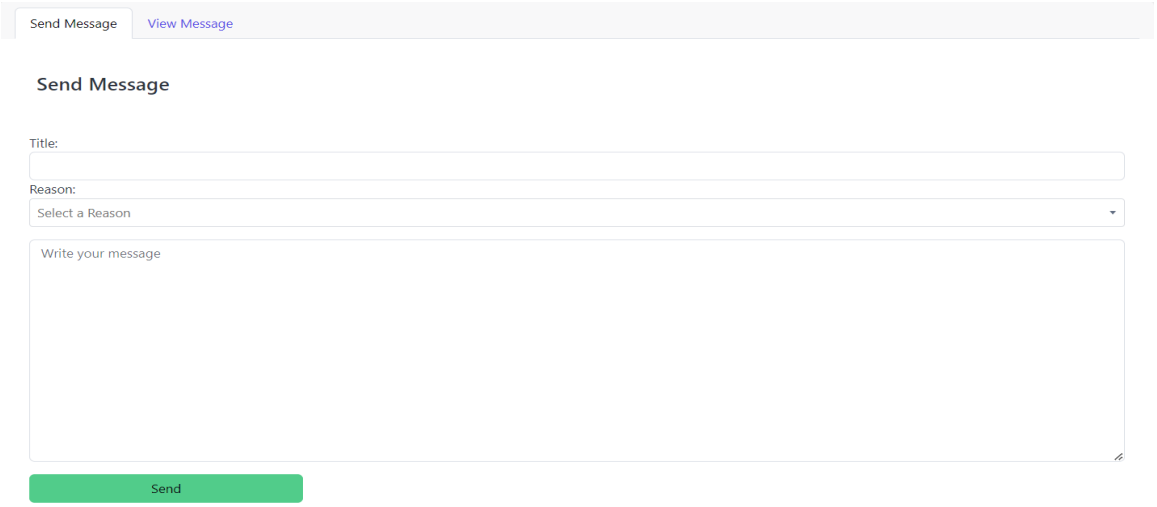
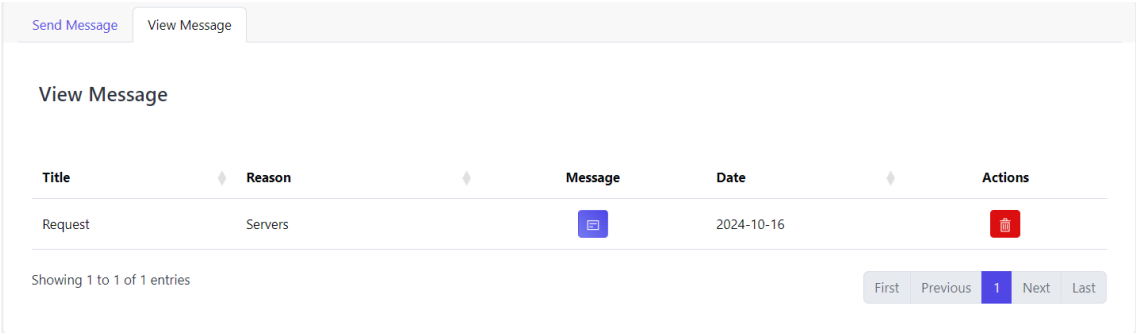


Figure 2 - Profile

In the **Company Details** section, you can view the company name, tax identification number, address, country of origin, and the allocated storage limit (Figure 2.1).

Figure 2.1 – Company Data



When you choose **User Details**, you will be able to view your personal information, such as your name, telephone number, and the authentication method that has been configured (Figure 2.2). Should you wish to update any of this information, you can easily do so by clicking on the **Apply** button.

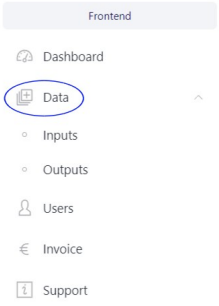


Figure 2.2 – User Details

To initiate the process of changing your password, you must go to the tab labeled **Change Password**. When you do this, the system will require you to input your current password, which is necessary to confirm that you are the authorized user of the account.

After that, you will need to establish your new password by entering it in the specified field for the first time. To minimize the risk of typographical errors, you will be asked to enter the new password again in a second confirmation field. Once you have accurately filled out both fields, you can complete the process by clicking the **Change** button, as shown in Figure 2.3. This action will securely finalize the update of your password.

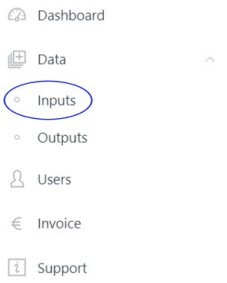
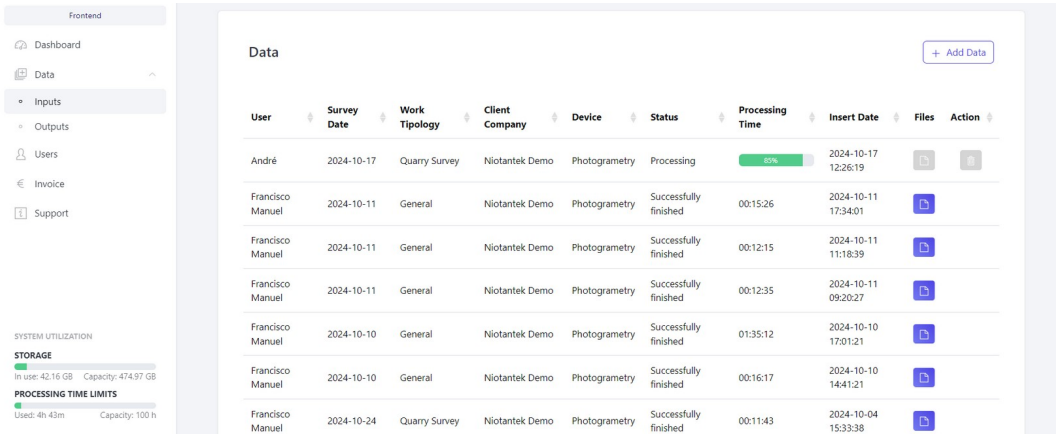
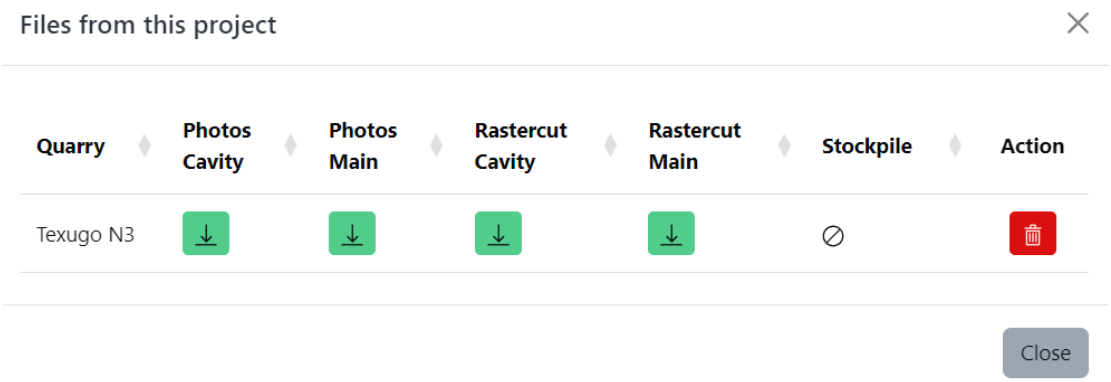


Figure 2.3 – Change Password



3- Users

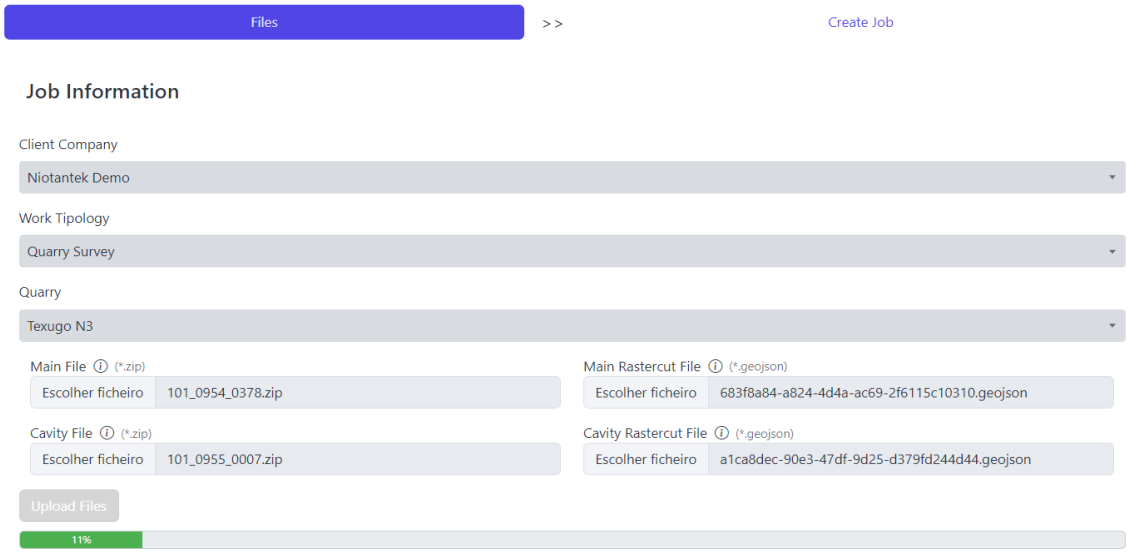


On the **Users** page, you have the opportunity to review all users from your organization who are granted access to the platform (Figure 3.1). This section provides a detailed overview of user information, which includes their names, phone numbers, email addresses, and the specific privileges assigned to each user within the platform. Moreover, you can determine whether a user is currently active or inactive.

Additionally, this page features an **Actions** button that is solely available to administrators. This functionality allows administrators to modify the status of each user, thereby enabling effective management and oversight of permissions and access rights within the platform.

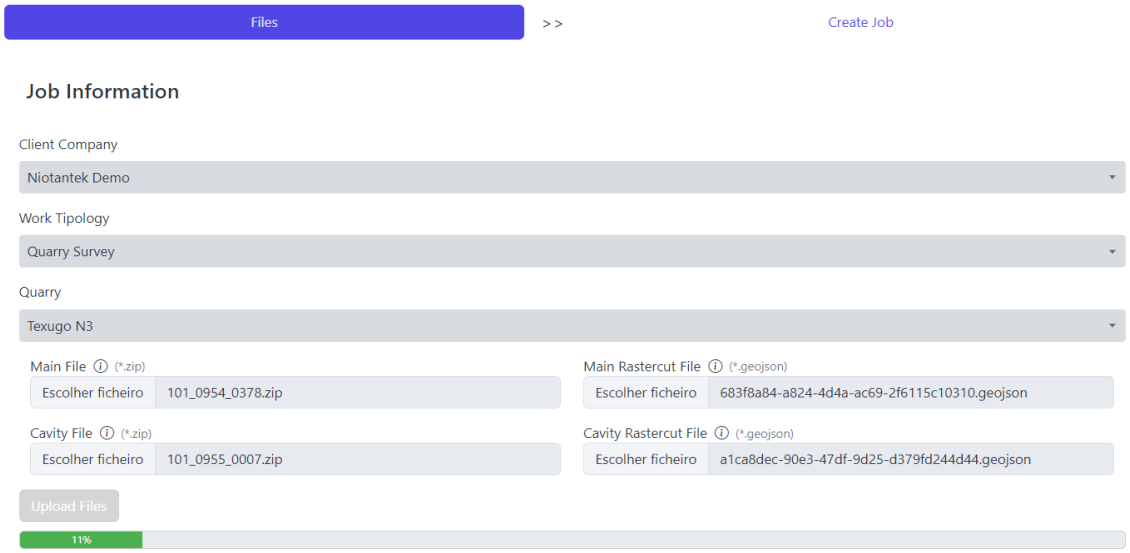
Figure 3.1 – Users

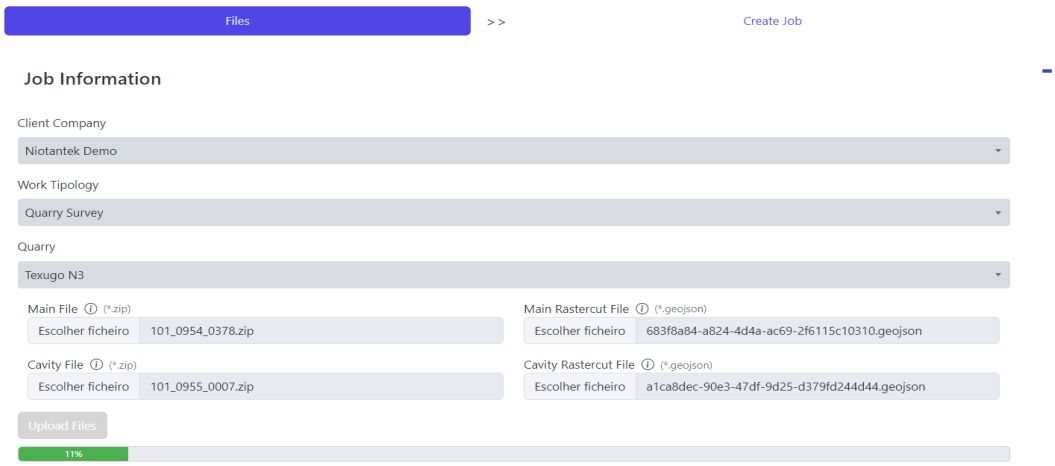
You also have the capability to add new users by clicking on the **+ Add User** button. This functionality enables your organization to expand the number of users who can access the platform, thereby facilitating collaboration and the management of projects. Upon selecting this option, you will be directed to a form where you can input the required information for setting up the new user.



The Invoice section is accessible solely to administrators and contains several important elements, including the Invoice itself, **Proforma** (Payment Information), **issuance date**, **expiration date**, **total**

amount due, and the **current payment status**. This section provides comprehensive details that are crucial for managing financial transactions and ensuring timely payments. Administrators can review and manage these invoices effectively to maintain an organized financial record.





5 - Support

The **Support** option is situated on the left side, beneath the user section in the frontend tab (Figure 5.1).

To send a message, you need to enter the subject of your message, choose the reason for contacting support, and compose the message content. After filling in these fields, simply click the green **Send** button to submit your request (Figure 5.2).

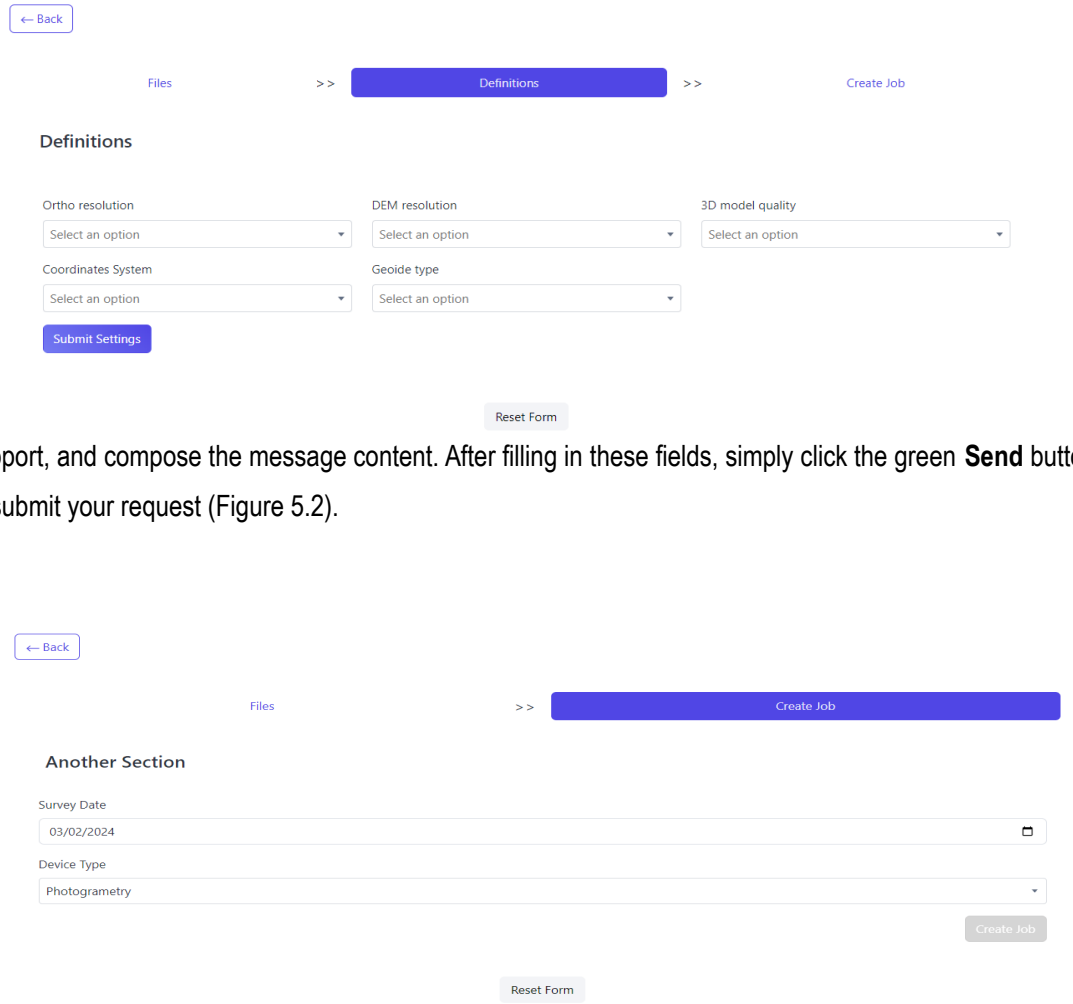


Figure 5.1 - Support

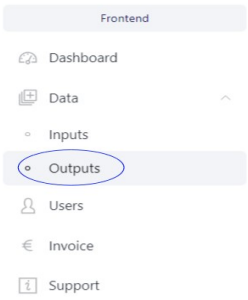


Figure 5.2 – Send Message

You will also be able to view all your sent messages in the **View Message** tab, where you can check the

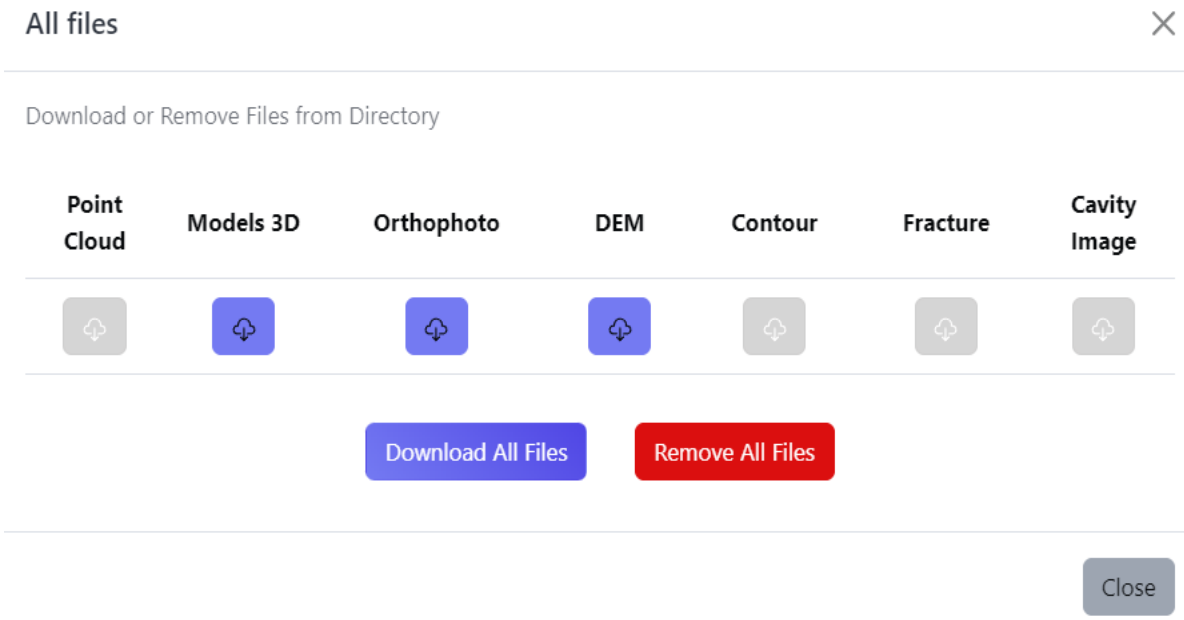
User	Survey Date	WorkTipology	Client Company	Quarry	Point Cloud	3D Models	Orthophoto	Contour	Actions
André	2024-10-17	Quarry Survey	Niotantek Demo	Texugo N3					
Francisco Manuel	2024-10-11	General	Niotantek Demo						
Francisco Manuel	2024-10-11	General	Niotantek Demo						
Francisco Manuel	2024-10-11	General	Niotantek Demo						
Francisco Manuel	2024-10-11	General	Niotantek Demo						
Francisco Manuel	2024-10-11	General	Niotantek Demo						
Francisco Manuel	2024-10-11	General	Niotantek Demo						
Francisco Manuel	2024-10-11	General	Niotantek Demo						

communication history and, if needed, delete messages you no longer wish to keep (Figure 5.3).

Figure 5.3 – View Message

6 - Data

The data is organized into two separate pages: **Inputs** and **Outputs**.



On the **Inputs** page, you will find a history of the data that has been entered into the platform for processing.

On the **Outputs** page, the results of the processing are displayed, meaning the final information you obtained after completing the processing of the previously entered data.

Figure 6.1 - Data

6.1- Inputs

In the **Inputs** section, you will find a detailed table listing all the data that has been entered into the platform.
This table provides a clear and organized view of the information submitted, making it easier to consult and manage the data that is currently being processed.

Figure 6.1.1 - Inputs

The table (Figure 6.1.2) provides multiple crucial details for overseeing the data entered into the platform. It contains a record of platform usage, including the name of the user who submitted the data, the collection date, the name of the associated company, the type of work, the device utilized, the processing

completion date, and the date of data entry. Furthermore, in the Files column, you can download the submitted data, while the Action column allows you to cancel a project that is pending processing.

Figure 6.1.2 – Inputs Table

In the files column, you will find a blue button that enables you to download (green buttons) or remove the submitted files (red button) (Figure 4.1.3).

Figure 4.1.3 – Files (Blue button)

6.2- Inserting Data

To input data for processing, you need to click the **+ Add Data** button (Figure 4.2.1), found in the top right corner of the interface (Table 4.1.2). This button will allow you to begin the process of adding new data to the platform for later handling and analysis.

After selecting **Add Data**, a page will appear (Figure 6.2.2) where you must provide the information related to the **Client Company** and **Work Typology**.

If your project is at a quarry, you should select **Quarry** for **Work Typology**; otherwise, you should choose **General**. This information is vital for ensuring that the data is correctly classified and processed within the platform.

Figure 6.2.2 - Files

The **Client Company** refers to the name of the client organization linked to the project. **Work Typology** denotes the type of data that has been gathered. Make sure all fields are completed accurately before moving forward with data entry.

Afterward, you will need to drag the files you wish to process into the designated area or use the **Choose File** option. It is crucial that all data is in the **WGS84 coordinate system**.

If you select **General** for **Work Typology**, you must either select or drag the data in zip format into the **Main File** (Figure 6.2.3).

Figure 6.2.2 – Files

If you choose **Quarry** for **Work Typology**, follow these steps For the **Main File** field, you need to select the images captured by the drone, which should be in zip format. In the **Main Rastercut File** field, choose a **geojson** file that outlines the total area of the quarry.

Next, for the **Cavity File**, drag or select the corresponding file using the **Browse Files** option, which must also be in zip format and include the drone images of the quarry cavity. For the **Cavity Rastercut File** field, select or drag a **geojson** file that represents the cavity area.

Once you have completed all the previous steps, click the **Upload Files** button. Wait for all files to be uploaded; you can track the progress via the bar that appears below the **Upload Files** button.

Figure 6.2.4 – Quarry Option

Upon completing the previous steps, you will be automatically taken to a page titled **Definitions** (Figure 6.2.5), where you can choose the resolutions, qualities, coordinate systems, and the type of geoid you want to achieve during data processing.

Figure 6.2.5 – Definitions

Once you have completed the previous steps, you will be automatically taken to the page (Figure 6.2.6), where you should select the project date and the type of work. To conclude, click the **Create Job** button. A pop-up will then appear asking if you would like to create a new job.

Figure 6.2.6 – Create Job

6.3- Outputs

In the **Outputs** section, you will see a table (Figure 6.3.1) that lists all the data that has been processed or is currently being processed on the platform.

This table includes important information, such as the user's name, the project date, the type of work carried out, the company name, and the quarry name.

Figure 6.3.1 - Outputs

The processing results are available, including the point cloud, the 3D model, the orthophoto, the contour lines, and several actions you can take on the data. This structure enhances the ability to review and access the outcomes obtained after processing the submitted data.

Figure 6.3.2 – Outputs Table

The point cloud, **3D Model**, **Orthophoto**, and **Contours** can be viewed directly on the platform. To do this, simply click the visualization button, which is located in the table and highlighted in green. This feature allows for a detailed visual analysis of the processed data, making it easier to interpret and utilize the available information.

In the column of the table labeled **Actions**, which appears in gray and is represented by three dots, you have the option to download or delete the files generated from processing your data (Figure 6.3.3). This feature offers a convenient way to manage the results, allowing you to quickly and efficiently select the desired action.

Figure 6.3.3 - Actions

Once processing is complete, you will have the opportunity to download a variety of files, which include the point cloud, the 3D model, the orthophoto in TIF format, the DEM (Digital Elevation Model), also in TIF format, as well as the contour lines, levels, and an image of the quarry cavity. This diverse range of available formats and data facilitates a thorough and detailed examination of the results obtained.

Additionally, you can choose to delete all the files or opt to download all of them in one go. These options provide you with flexibility in managing the processed data, allowing you to select the approach that best meets your needs and preferences (Figure 6.3.3).