microtronics®
Professional Instruments

BLUEFORCE CLOUD

BlueForce Cloud Portal User Guide

IoT

BlueForce Cloud Portal User Guide

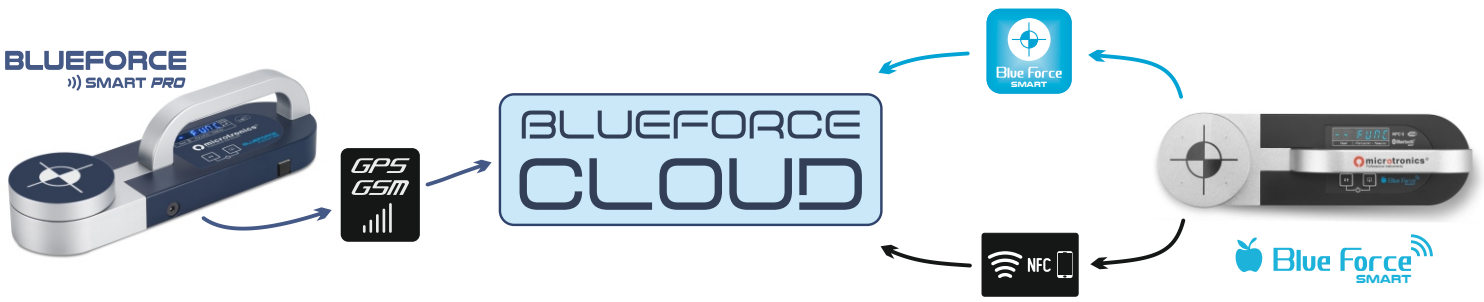
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BLUEFORCE CLOUD OVERVIEW

- Blueforce Cloud can be accessed from any fixed or mobile device. With the purchase of the **BlueForce Smart Pro** instrument or the **Upgrade Pro**, you can use BlueForce Cloud free of charge for **12 months**. After that, you can renew your access with an annual subscription (see costs on the Microtronics website).
- BlueForce Cloud allows you to store force measurements and create documentation for the Technical File for motorised door compliance.
- For those using the BlueForce Smart **Pro** instrument, the force measurements taken are sent **directly** to your cloud area via **GSM,** while those using the previous BlueForce **Smart** instrument can send the measurements via the **app** or the **NFC** system.



REGISTRATION AND ACCESS TO THE PORTAL

- To start using BlueForce Cloud, you **must register** by scanning the QR code provided in the QUICK GUIDE booklet, or by visiting the following link:

  https://www.microtronics.it/start.html

- **N.B.** The QUICK GUIDE contains a reminder of the measurement points in accordance with Standard EN12453.



The QR code or link takes you to the START page, where you can:

- **Register** (to use the BlueForce Cloud portal)
- View support video courses
- Download instructions for the BlueForce Smart Pro instruments
- Download the BlueForce software (for users who do not use BlueForce Cloud)
- Request calibration certificate

- **After registering, you will receive a confirmation email (excluding Saturdays and public holidays), after which you will be able to access the Cloud with your credentials (email and password). The login page is https://en12453.eu , but you can also access it from the Cloud menu on the Microtronics website. Once you have logged in, you will see the Cloud interface, where you can manage your data and applications.**

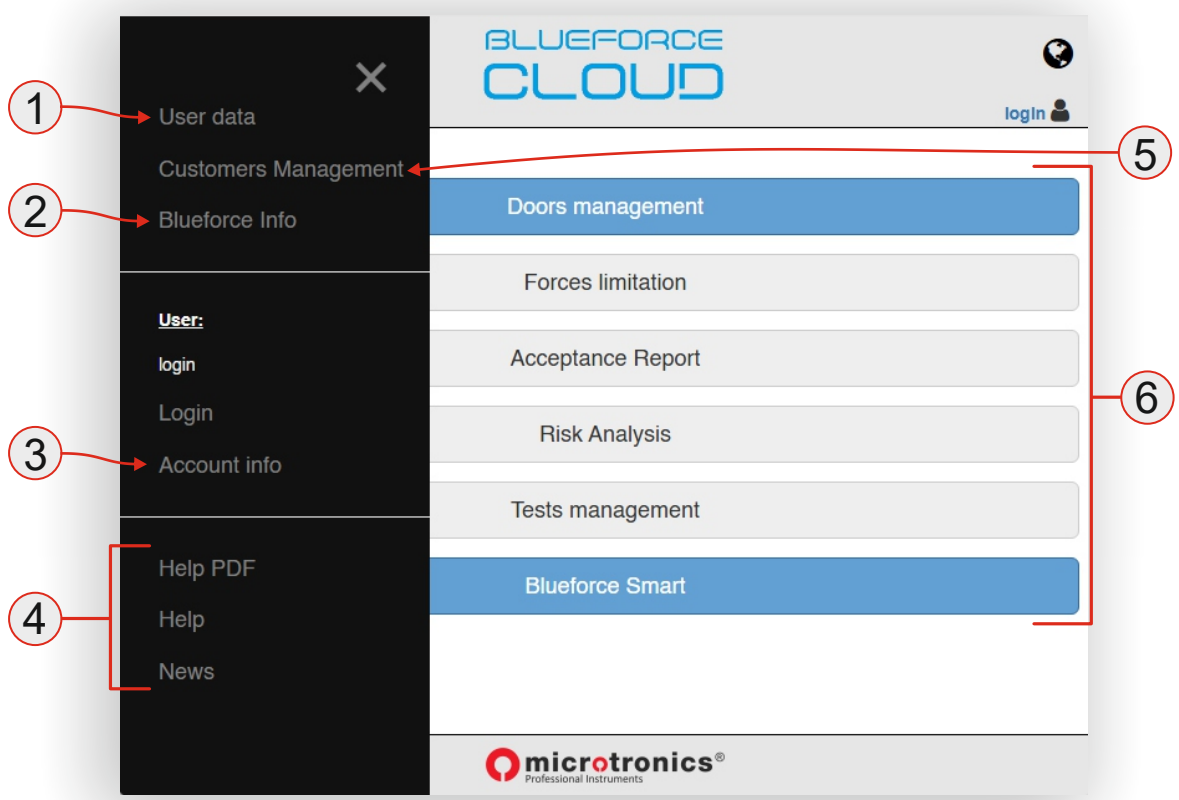
START WEBSITE - Registration, Software and Support



SETTINGS ON FIRST ACCESS

Use the left side menu to enter User Data and Instrument Data (points 1, 2, 3).

To exit the menus, you can use the arrow button or the Home button.



(1) User Data: in this menu, you can edit the details of the company and the technician who drafts the documentation. You can also add your company logo. N.B. This data appears in the header of all documents.

(2) Blueforce Info: set the **serial number** of the instrument used to send measurements to the Cloud. All measurements are stored in the internal database, which can be consulted using the **Measurements Management** function (page **21**).

N.B. *Each user can enter up to 3 instruments, each instrument sends the measurements to its own database. To view the correct database, you must select the serial number corresponding to the instrument used. For companies with several technicians, it is possible to purchase the multi-user version (1 admin and 4 users).*

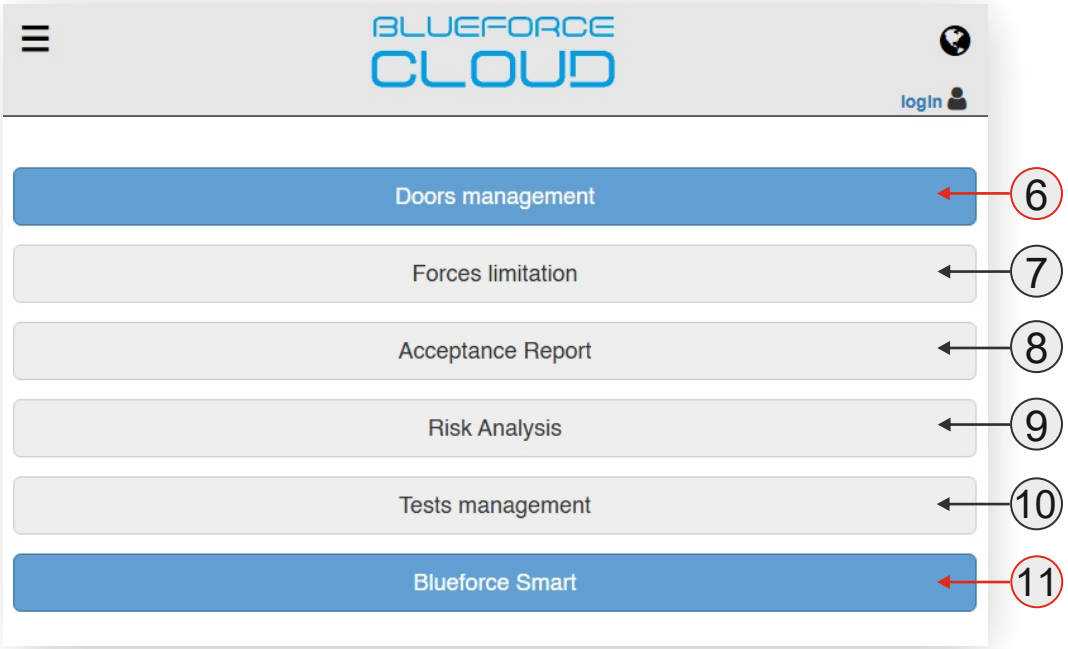
(3) Account Info: in this menu, you can view your registration details and the expiry date of your subscription.

(4) Help: view online help for using BlueForce Cloud. **News:** view the list of new features introduced in the Cloud area.

(5) Customers Management: in this menu, you can enter customers into the database, as described in detail on pages **5** and **6**.

(6) Central menu: the central menu contains the six main functions of BlueForce Cloud, as described on page **4.**

MAIN FUNCTIONS MENU
(details of these functions are described in the following pages)



(6) Doors Management: this is the most important menu, as it allows you to create and edit the data of the doors created and the related associated documents. With the "customer filter" you can accurately identify a door associated with your customer (see details on page 5). For each door you can add:

->**Door data:** Name, Type, Standard
->**Customer data:** Name, Address, Email, etc.
->**Technical file documents:** Reports, CE Conformity, Risk Analysis, Maintenance, etc.

N.B. The grey menus in the centre allow you to select certain functions directly (see also page 22)

(7) Forces Limitation: this menu allows you to generate a report showing the "force measurements taken" independently of the Doors Management section.

(8) Acceptance Report: this menu allows you to complete the "Acceptance Report" document independently of the Doors Management section.

(9) Risk Analysis: this menu allows you to complete the "Risk Analysis" document independently of the Doors Management section.

(10) Tests Management: in this menu, you can view the following databases containing measurements sent or saved with the BlueForce Smart **Pro** and BlueForce **Smart** instruments:

- **Currently testing door measurements:** list of measurements taken and stored **on site** using the **TEST** function (via a mobile device and the BlueForce Smart **Pro** or BlueForce **Smart** instrument).
- **Measurements sent to the cloud:** list of all measurements taken with the BlueForce Smart **Pro** instrument and **automatically sent via GSM** to your Cloud area.
- **List of saved measurements:** list of measurements taken with the BlueForce **Smart** instrument and acquired with a mobile device via the app (BlueForce) or with NFC.

(11) BlueForce Smart: by clicking on this button, you can view **the latest measurement taken and automatically sent by Blueforce Smart Pro** on any fixed or mobile device.



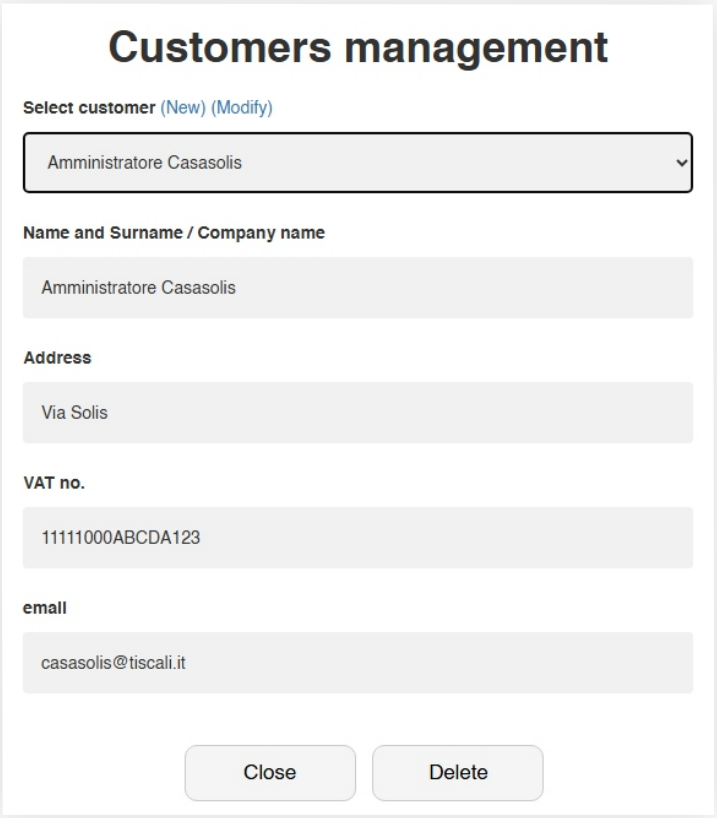
DETAIL OF FUNCTIONS

Customers Management

Customers Management: (accessible from the left side menu) allows you to enter new customers into the database using the (**New**) function.

You can edit the data you have entered at any time using the **(Edit)** function and then save it by clicking on the **"Save"** button at the bottom of the page.

In the top drop-down menu, you can view all registered customers, select a customer to make changes, or delete them.



DETAIL OF FUNCTIONS

Doors management

Doors management: allows you to view and manage the list of doors entered in the database

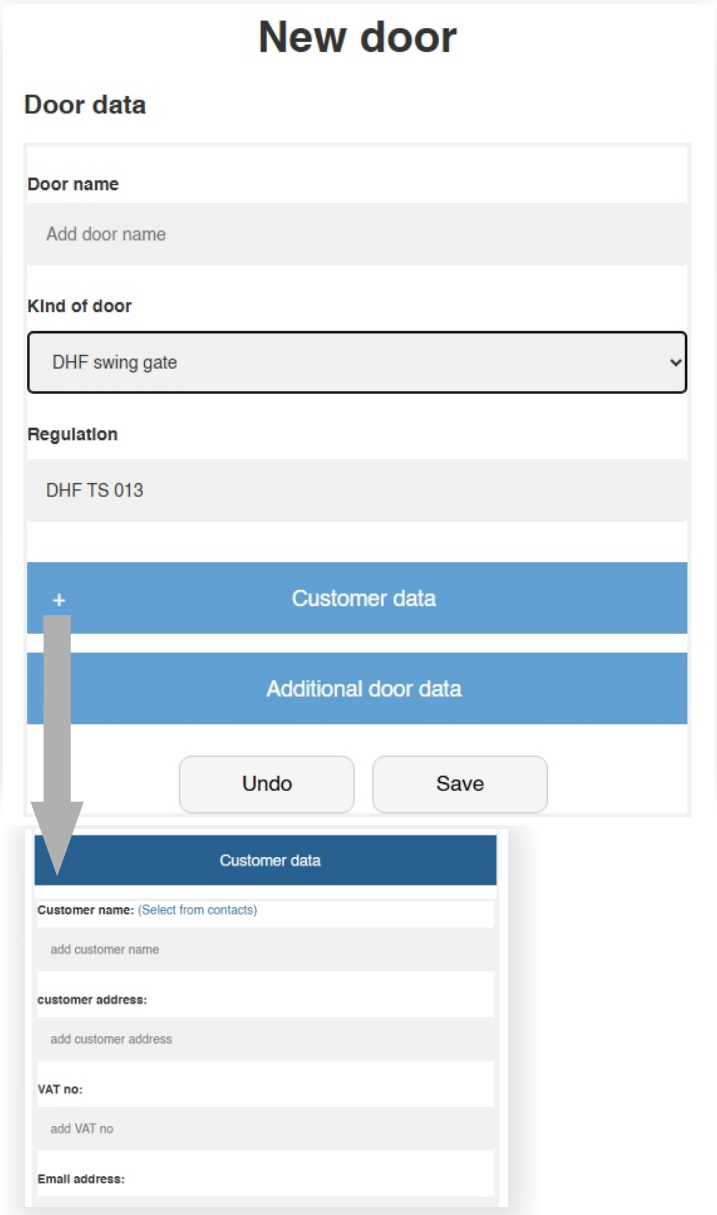
By clicking on **Add Door**, you can create a new door by entering the **Door Name** and **Door Type** from the drop-down menu (see also page **6**).

ATTENTION!
- After saving the door, the **Door Type CANNOT** be changed.
- The **Standard** box is automatically filled in based on the type of door selected.

To associate the door created with a customer, you need to open the **Customer Data** menu by clicking on the **+**.

You can then enter the **Customer Name**, or select a customer already in the database using the **Select from contacts** function (after these operations, click on Save to avoid losing the data entered).

ATTENTION!
- When a new **Customer Name** is entered, in addition to being associated with the door in question, it will also be **automatically stored** in the customer database.

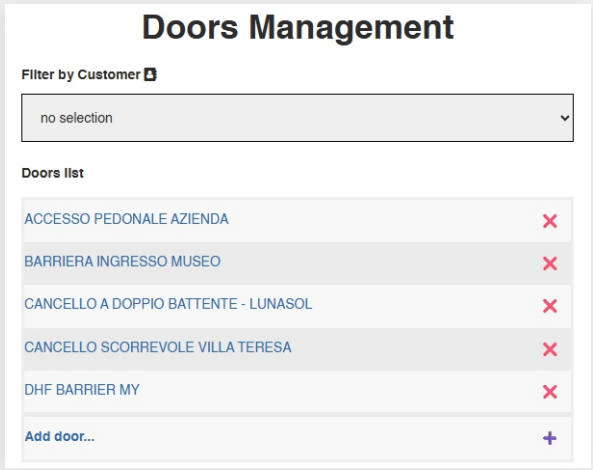


The image on the right shows the types of doors available in the **Door Type** menu.

In green - Doors, Gates, Barriers EN12453
In orange - Residential Garage Doors EN60335
In blue - Pedestrian Doors EN16005

In the top scroll menu, **filter by Customer**, you can select a specific customer. All the doors associated with the selected customer will then be listed below (see also the practical example on page **7**).

Doors can be deleted completely by clicking on the red **X** on the right (please note that **all documents** contained in the door will also be deleted).

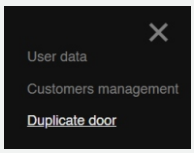


After creating a New Door, in addition to the Customer Data, in the next box you can add **Additional Door Data**, which the Cloud system **automatically distributes** when documents are created (e.g. serial number, location, date, etc.).

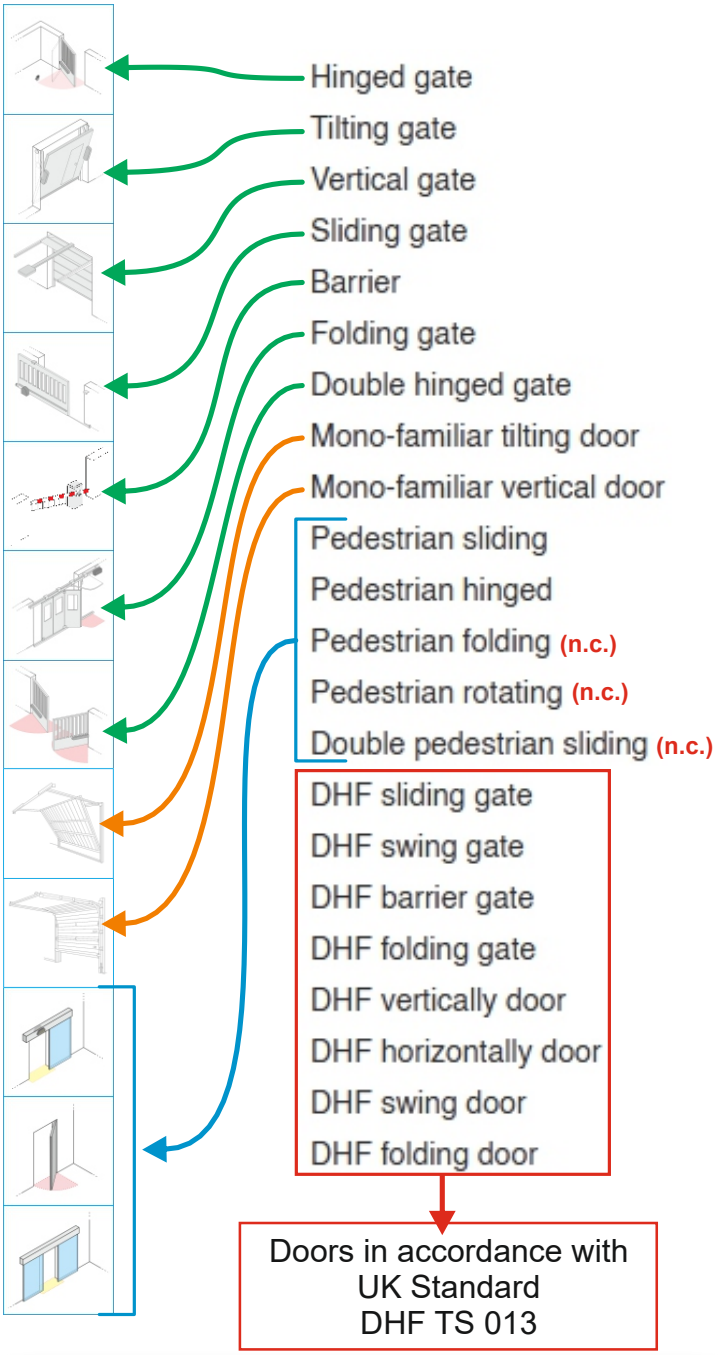
The **Additional Door Data** menu contains several fields to be filled in with door details. Each field contains a **grey hint** that is overwritten when the required data is entered.

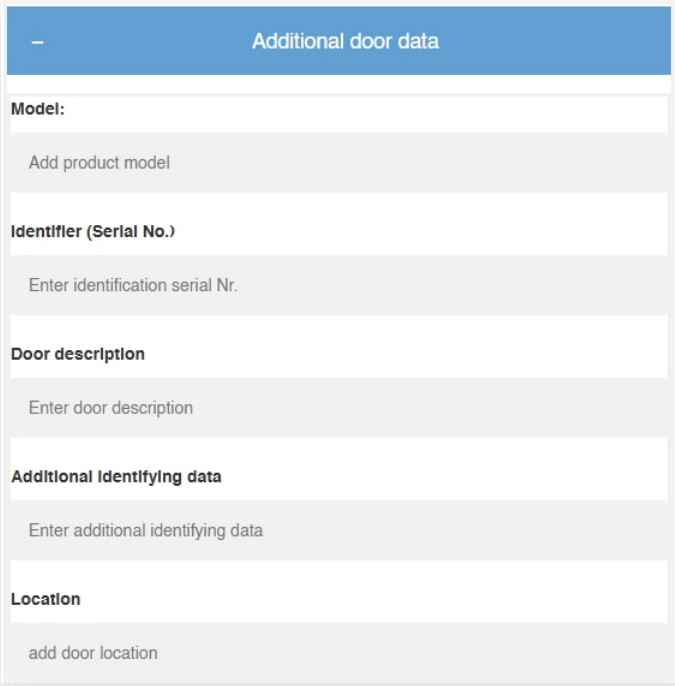
N.B. We recommend filling in the first 6 fields, which are sufficient for creating documents with the main data..

To edit or add door details, **first** use the **Edit** function and then **save** at the bottom of the page.



It is also possible to duplicate a door (with its associated documents) using the **Duplicate Door** function in the left-hand menu.





PRACTICAL EXAMPLE

How to associate Customers-Doors and add documents of the Technical File



To enter the documents in the Technical File for a Door, it is advisable to **first enter** the customer from the **Customers Management** menu and then use the **Doors Management** menu to create the new door **and associate** it with the customer.

Following the pattern below, one or more ports can be associated with each customer.

CUSTOMER (John) -> DOOR (gate)
CUSTOMER (Peter) -> DOOR (entrance door)
CUSTOMER (Matthew) -> DOOR (gate) + (entrance door) + (barrier)

Follow this example to create a simple Customer-Door association

1) In **Customers Management**, we create a **New Customer** (John).

2) In **Doors Management**, from the top menu, click **Filter by Customer** and select the customer you just created (John).

3) At the bottom, in **Doors List**, select Add Door.

4) Now let's add the **Door Name** (e.g. Entrance Door).

5) Then, in the **Door Type** section, select **Vertical Leaf** (N.B. This setting cannot be changed later).

6) When finished, click **Save** to create the **Entrance Door** (vertical leaf category) associated with the customer **John!** (You can check this in Customer Data).

If we wish to associate additional doors with the customer John, we repeat steps 2), 3), and 4).

It is possible to associate a new customer or an existing customer even after creating a new door:

1) In **Doors Management**, select **Add Door,** then enter the **Door Name** (Entrance Barrier).

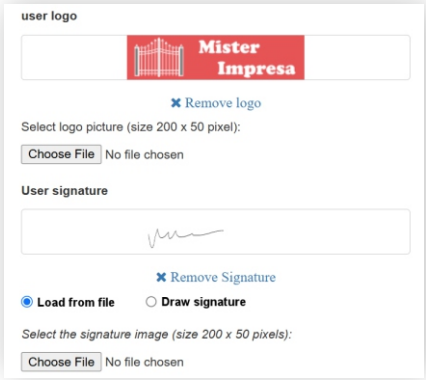
2) After clicking **Save,** we can proceed with customer association by clicking **Edit** in the top right corner. In this way, the system allows us to enter **Customer Data** in two ways:

-> as a new customer, entering the required details (name, address, etc.) and then clicking on Save. The new customer will be associated with the door (Entrance Barrier) and also entered into the database.

-> or by selecting the customer from those in the database using the **Select from Contacts** function (in this way too, the "Entrance Barrier" will be associated with the selected customer).

After the door has been created and associated with the customer, you can make changes to the data entered using the **Edit** function and then **Save.**

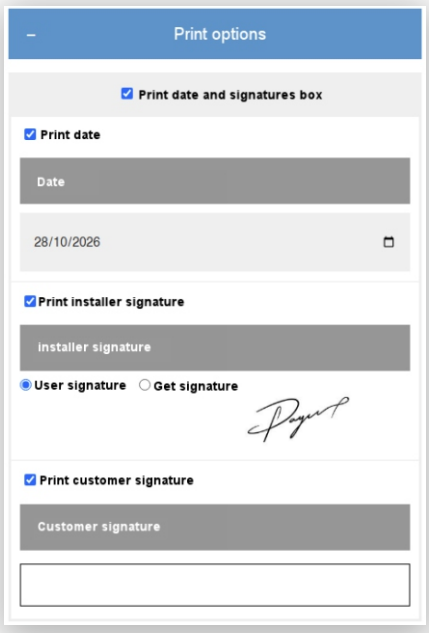
You can then insert **the documents of the Technical File**: such as reports, the CE declaration, the maintenance register, the risk analysis, etc. (see following pages).



SETTING UP AN ELECTRONIC SIGNATURE

In the left menu, under **"User Data"**, you can set your company details, company logo and digital signature. These details are automatically included in the header of all documents.

Using the **Edit** function, you can insert your logo and digital signature in graphic format (200 x 50 pixels).
If the image file is not available, you can apply the digital signature directly in the box.



ELECTRONIC SIGNATURES ON DOCUMENTS

You can insert the **User's** and the **Customer's** electronic signatures into the documents of the Technical File using the **Print Options** function.

The **Print Options** menu also allows you to set the document date and to **include or exclude** electronic signatures at the bottom of the page when generating the document in PDF format.

N.B. Generally speaking, the technical documents in the Technical File do not necessarily require a signature, unless specific provisions apply.

CREATING A DOCUMENT

The data entered in **User Data** and in the various menus **Doors Management, Customer Data** and **Additional Door Data** are automatically distributed by the BlueForce Cloud.

Below is an example of a document (CE Declaration). As you can see from the coloured bands, each data is written in its predefined position in just a few clicks!

Parts automatically created by the Cloud system

- Document basis, Directives, Regulations, Titles, CE logo
- User data: company data, technician name and logo
- Reference standard (based on the selected door)

Parts automatically inserted and taken from the various menus "Door Data", "Customer Data", "Additional Data"

- Door type, model, serial number.

Parts to be entered:

- Document date / Signature


Mister Impresa

Mister Impresa di Mario Rossi
Via Nino Bixio, n° 23 - Nola 23450 (VR)

UKCA Declaration of Conformity

UK CA

THE UNDERSIGNED
Name and Surname: Mario Rossi

COMPANY ADMINISTRATOR
Name: Mister Impresa di Mario Rossi
Address: Via Nino Bixio, n° 23 - Nola 23450 (VR)

PRODUCT IDENTIFICATION
Kind: DHF barrier gate
Model:
Identifier (Serial No.)

THE COMPANY ABOVE DECLARES UNDER ITS OWN AUTHORITY, THAT THE DOOR IS FULLY COMPLIANT WITH:
Supply of Machinery (Safety) Regulations 2008
Electro-Magnetic Compatibility Regulations 2016
Radio Equipment Regulations 2017

THE COMPANY ABOVE DECLARES UNDER ITS OWN AUTHORITY, THAT THE DOOR IS IN FULL COMPLIANCE WITH THE FOLLOWING UK REGULATIONS:
DHF TS 013 UK Regulations for automatic Gates and doors (and previous version)

Signed for on behalf of the manufacturer by:

PLACE: Via Nino Bixio, n° 23 - Nola 23450 (VR)
DATE: 10/02/2026
Legal representative: Mario Rossi
Signature:

DOCUMENT CREATION
ACCEPTANCE REPORT

*The Acceptance Report is a document used during the **preliminary assessment phase of the work.** It functions as a "checklist" that lists the verifications carried out, highlighting those that are correct and those that are incorrect. Usually, the document is provided to the customer for preliminary review before work begins. This step is essential because, if the work is not accepted, there will be a record of the verifications carried out on the condition of the door.*

You can complete the Acceptance Report from the main menu (there is no need to create a Customer or a Door), or from the Door Documents Management section.

Filling in the form is simple: just tick the corresponding box for each check (to simplify the process, the document is provided with all boxes ticked as "OK').

At the end of the list, you can enter personal comments on the checks carried out or any missing checks in the ADDITIONAL NOTES field.

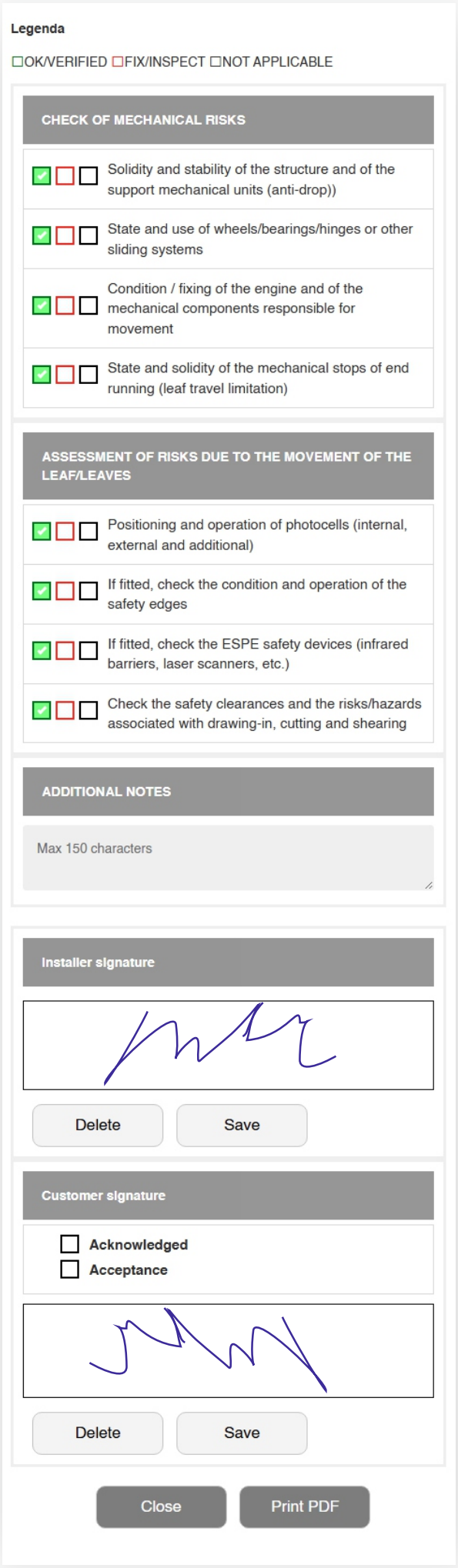
Further down, there is space for the customer's signature and the signature of the installer (or whoever carried out the checks). There are also two boxes to tick for "acknowledgement" or "acceptance"."

N.B. For those who use Cloud BlueForce with mobile devices, it is possible to sign **directly on** the device's **touch screen**, allowing you to immediately send a copy of the report to the customer, avoiding waiting times for printing on paper.

After signing the document, use the **Save** button to confirm the signature, or **Cancel** to redo it.

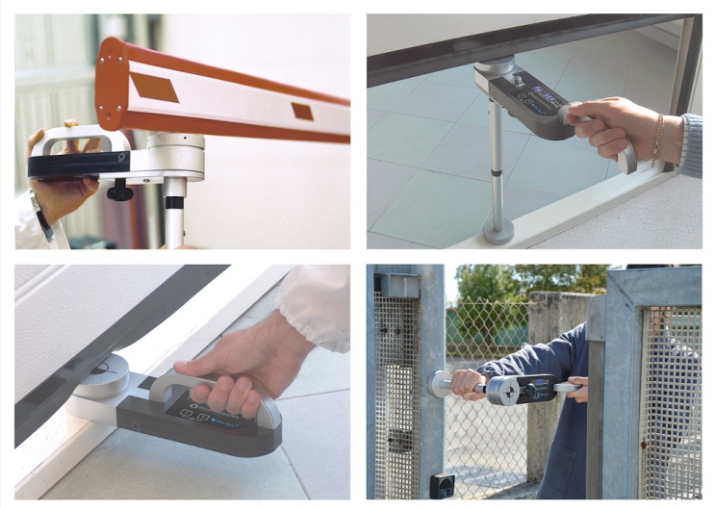
When you are finished, you must save the entire document by clicking on **Save PDF.**

***NOTE!** When using BlueForce Cloud, all documents are generated in PDF format. This is a fast and economical system to use instead of printing on paper. It also allows the operator to write documents with peace of mind, because in the event of incorrect or missing entries, the documents can be deleted and re-filled in a matter of minutes.*



DOCUMENT CREATION
FORCES LIMITATION

The force limitation report is the document that records the crushing and impact force measurements taken with the BlueForce instrument. The document shows the door under examination, with the measurement points defined by the reference standard. The measurement data are processed automatically (average of the values entered) and represented through force/time graphs.



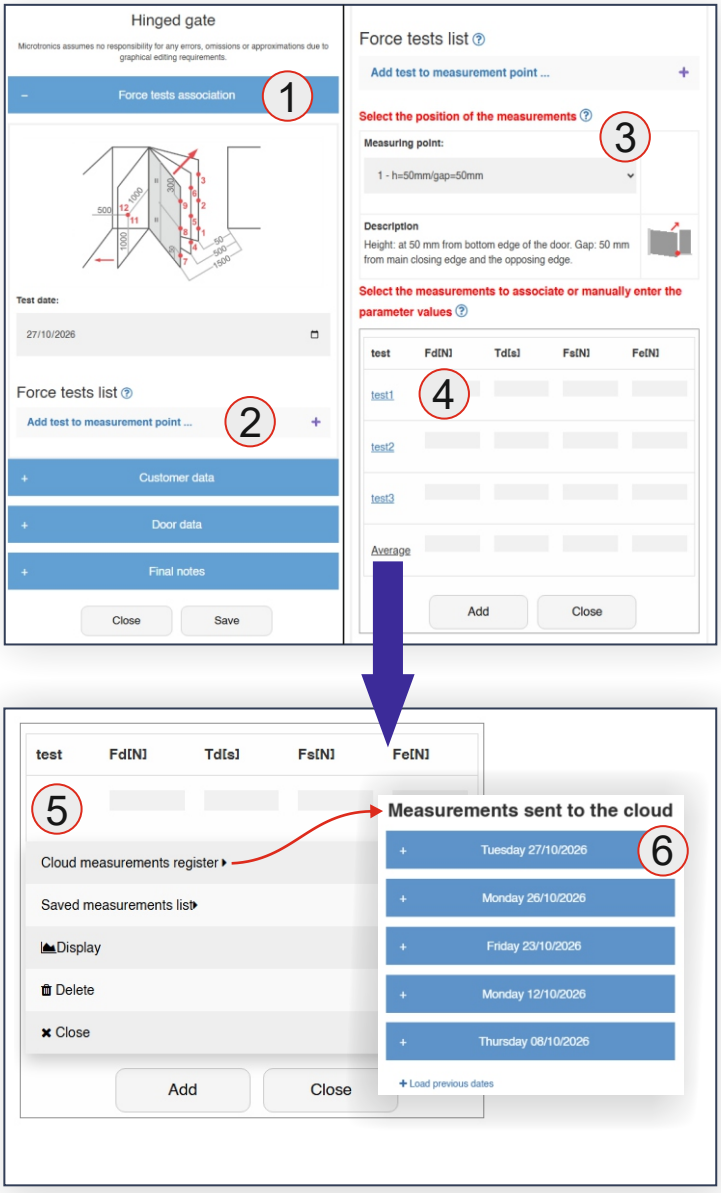
To write the force measurement report, you need to send the instrument measurements to your cloud area:

- With BlueForce Smart **Pro** automatically, via the integrated GSM transmission.
- With BlueForce **Smart** by saving measurements with the **APP** or via **NFC**.

***N.B.** It is also possible to write the measurement report **on site** by performing the **guided test** with the aid of a mobile device (see page **12**).*

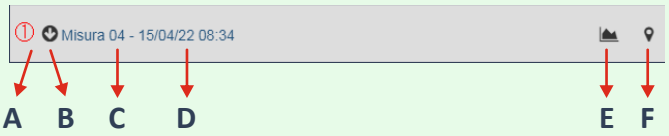
To create the force measurement report, start from:

- Doors Management
- Select one of the available doors (or create a new one as described above).
- Select **Force Limitation** and click **Add New**.
- Open the **Force Tests Association** ① menu and the measurement diagram for the door you previously selected will be displayed (if the image does not represent your door, it is not possible to modify it; you must recreate the door).
- Under the image, select (if necessary) the **date** on which the test was taken.
- Click on **Add test to measurement point**...② then the **Force measurements list** menu will open.
- Select the measuring point ③ to enter the measurements (see also the indicative drawing with the position).
- Enter the measurements starting with **test1** ④ (then also for test2 and test3).
- Another menu will open, ⑤ allowing us to "take" measurements from two different positions:
  - **Cloud measurements register:** for measurements taken with Blue Force Smart **Pro.**
  - **Saved measurements list:** for measurements taken with BlueForce **Smart.**
- Select the desired day ⑥ and then choose one of the measurements from the list.



- If there are no measurements for the current day, select "**Load previous dates**"⑦ at the bottom, then select the day to view the list and then the measurement to be entered. ⑧

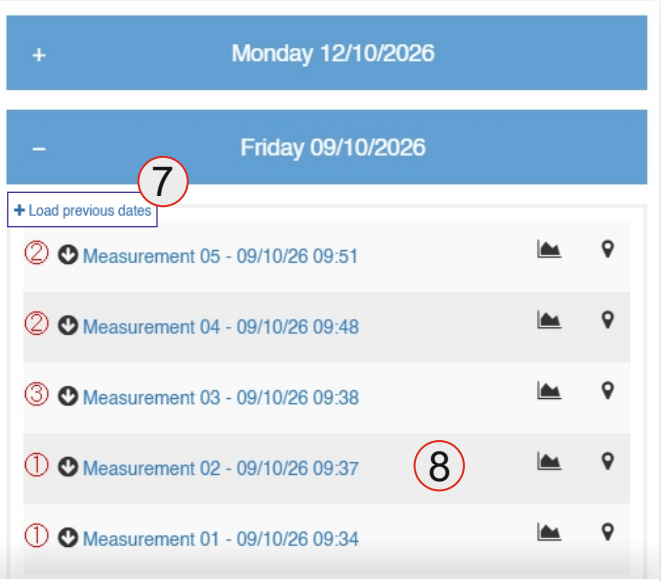
If you use **Cloud Measurements Register**, you can accurately identify the measurement to be entered thanks to the details written in the list of measurements:

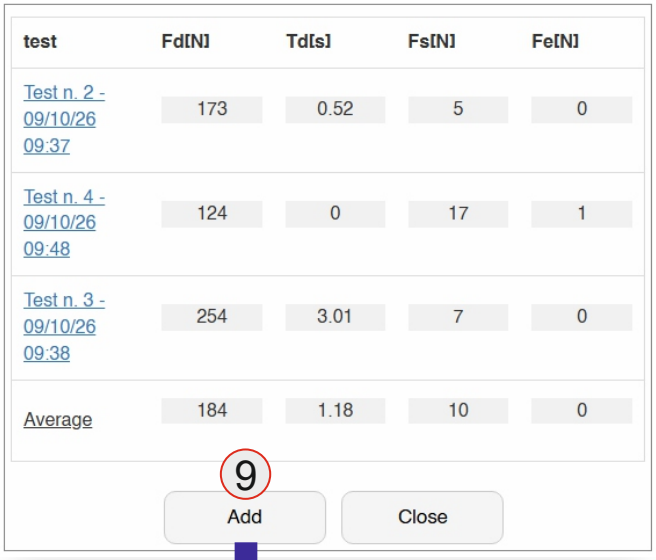


A - Position number (if stored with the instrument's **Point** function).
B - Arrow indicating the orientation of the instrument at the time of measurement (vertical, right and left).
C - Number of the internal memory location in the instrument used to store the measurement.
D - Date and time of measurement.
E - Measurement preview (graph and parameters).
F - GPS position (opens the browser on Google Maps).

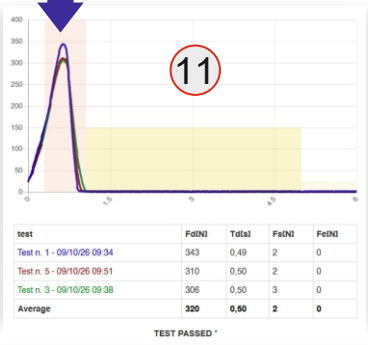
- After selecting the measurements for test1, test2 and test3, click on **add.** ⑨
- The system creates a new row with the mathematical average values already calculated. ⑩
- By clicking on the line, you can view the **overlapping graphs** relating to the three measurements taken for the selected point. ⑪
- Now, to finish the report, click **Save** at the bottom of the document; the system will offer several options:
  - **Keep/change** the file name. ⑫
  - **Save the report** with the measurements you have just entered. ⑬
  - **Print** (and save at the same time) the report as a PDF. ⑭
  - **Include or exclude** the graphs and the digital signature. ⑮

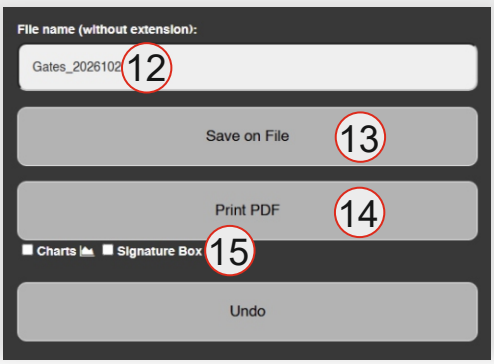
N.B. *In the example described, three measurements (test1,2,3) have been entered for a single point. Obviously, the report must contain* ***three measurements for each point, as required by Standard EN12453****. It is therefore necessary to enter all the measurements by repeating the operations described in this paragraph, then save the report file again and (if necessary) print a copy in PDF format.*





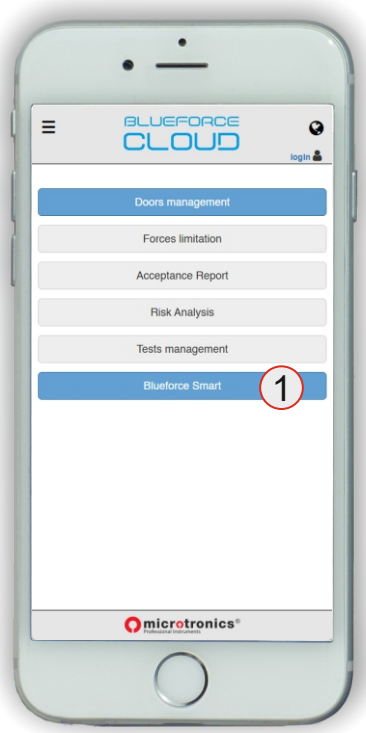






DOCUMENT CREATION
FORCE LIMITATION
GUIDED TEST ON SITE

The previous paragraphs described how to create a print report of force measurements based on a series of measurements taken previously and stored in your cloud area. The print report can also be created directly on site by accessing the BlueForce Cloud with your smartphone or tablet.



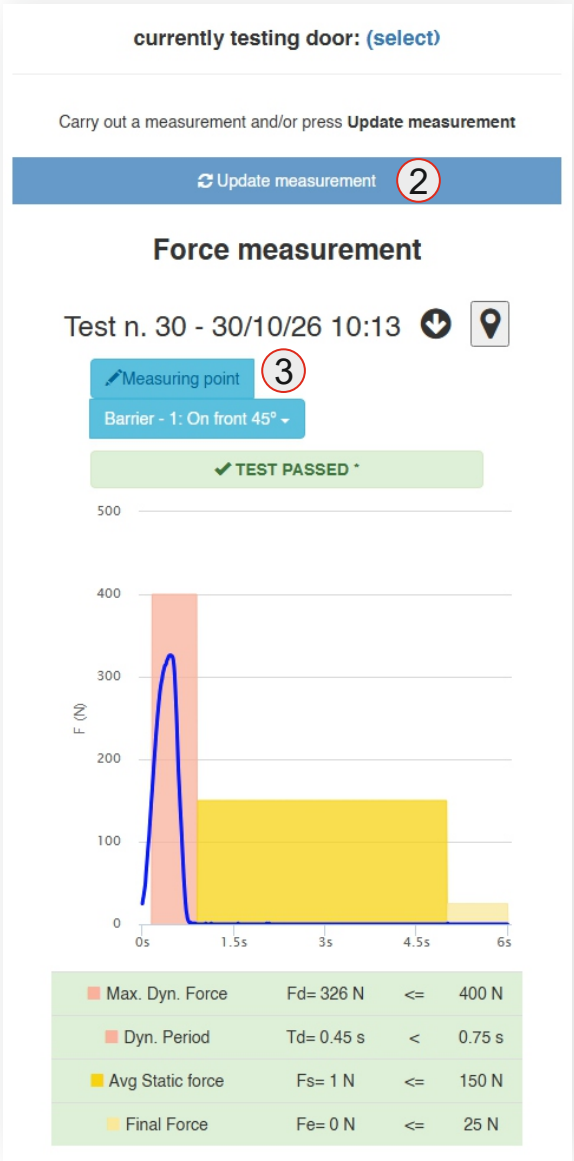
Setting up the On-site Measurement Test:

- **Log in to** the Cloud from your mobile device.
- Prepare with the instrument to take **the series of measurements required** (to identify the measurement points, consult the Quick Guide supplied with the instrument or follow the instructions on the display).

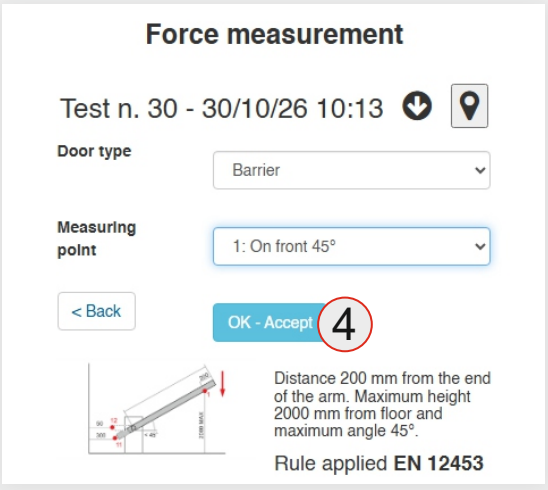
With BlueForce Smart Pro

- Take the measurement, then wait for the automatic transmission (note the dots scrolling across the instrument display).
- On the mobile device, click on the last **Blueforce Smart** ① button to enter **test** mode.
- Then click on the **Update measurement** ② button to view the **last measurement sent.**

- ***N.B.*** *Check the parameter limits and the graph. If they are abnormal, you will need to make adjustments to the door before proceeding with the final test, so repeat the measurement and click on Update measurement again.* ② *This will discard the previous measurement and replace it with the latest one sent.*



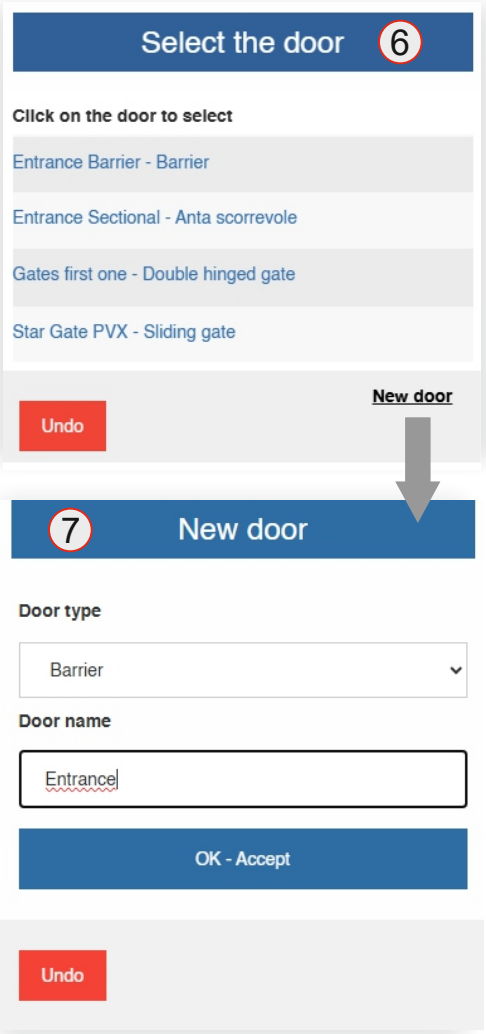
- Continue by clicking on the **Measuring point**, ③ then set the **Door type** (e.g. sliding door, hinged door, etc.) and the Measurement point (where we want to associate the measurement just taken). **Save the choice** by clicking on the **OK** button. ④

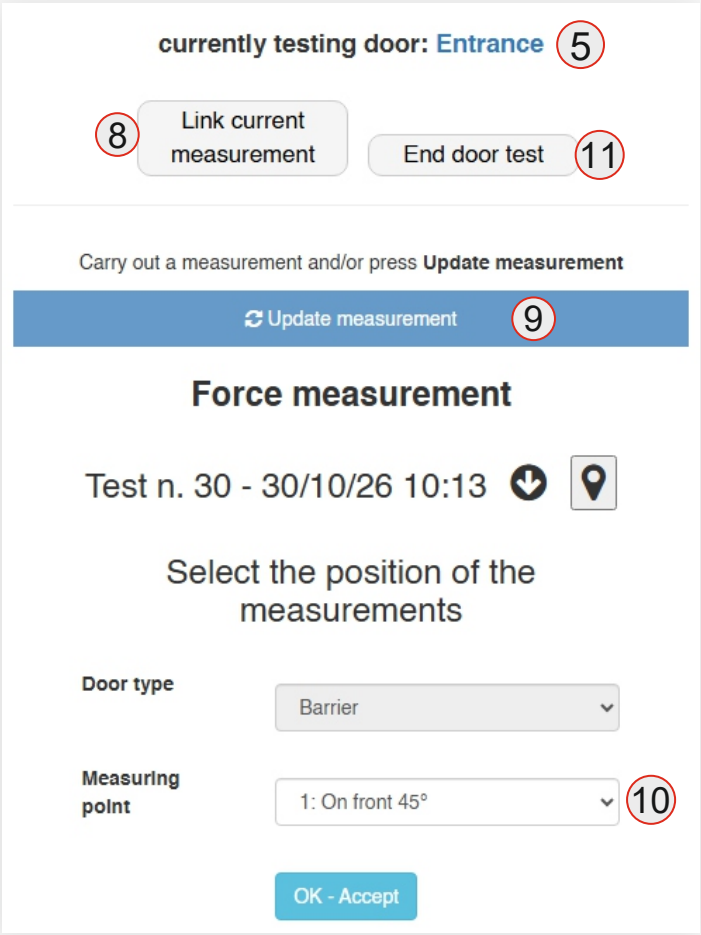


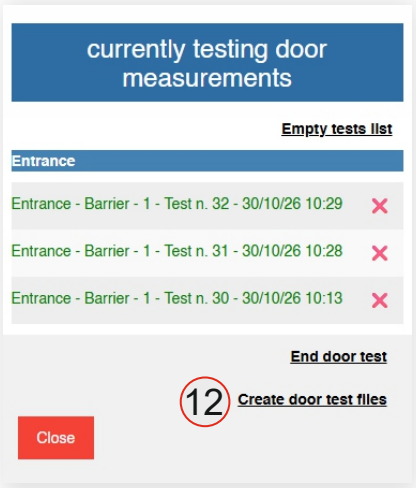
Now proceed with the TEST on site, **associating** the measurements that will be performed one after the other, so:

- Enter the **Currently testing door** function ⑤ (**select**) and select an existing door from those already in the doors database, ⑥ or create a **New Door**. ⑦
- If **New Door** has been selected, you must complete the choice by entering the **type and Door Name** (it will be stored along with the other doors in the cloud).
- After confirming with **OK** (the new door or after selecting an existing one), you must click on **Link current measurement.** ⑧ This will add the measurement to the **test list.** A confirmation pop-up will then appear.
- You can now proceed with entering the required measurements (remembering that the report must contain **three measurements for each point, as required by Standard EN12453)**, then repeat the steps indicated above.
  - Take the next measurement with the instrument.
  - Click on **Update measurement.** ⑨
  - Select the **Point** (the same or a new point). ⑩
  - Click on **Link current measurement** (the system will notify you with a pop-up message when the entry has been made). ⑧
- Repeat these **four steps** until the measurements are complete, then click on **End door test** to conclude the test report. ⑪
- A pop-up will appear where you can **save** the test and create the report with **Generate door test file.** ⑫

- *To complete our report with the **Customer Data**, simply go to **Doors Management** and enter the missing data, then **modify and save** as indicated in the previous chapters.*







Creation of the Measurement Test on site With BlueForce Smart

- After taking a measurement, use your smartphone to receive the data **using the BlueForce APP** (Bluetooth) or, for newer models, it is advisable to use **NFC,** a sensitive area on the back of the instrument near the NFC symbol.



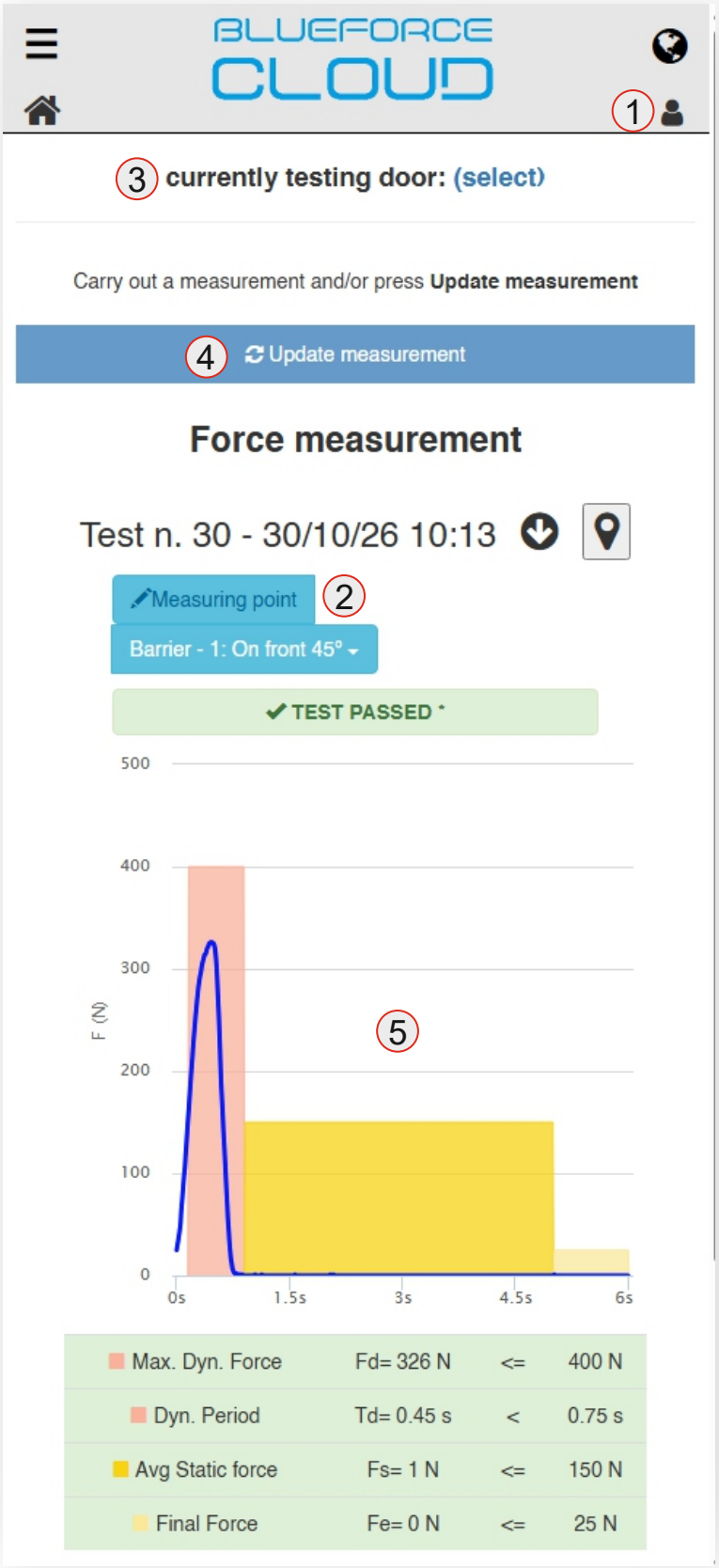
- When the Browser opens, the parameters and measurement graph will be displayed. ⑤

- ***N.B.*** *As indicated above, always check the parameter limits and the graph. If they are abnormal, it will be necessary to make adjustments to the door before proceeding with the final test or saving the measurements.*

- Now, to continue, you need to **log in to the Cloud** with your login details. ①
- At this point, you can do one of two things:
  - **Perform the test on site.**
  - Or **Save the measurements** (to use them later).

Perform the test on site

- Take and verify measurements on site with BlueForce Smart.
- **View the measurement** using the APP or NFC. ⑤
  - Select the **type of Door** ② and **Point** (click **OK** to confirm).
  - Select **Currently testing door**, ③ then choose the door (or create a new one).
  - Next, click on **Link current measurement** to add the measurement to the test.
  - Enter all the required measurements by repeating the steps described above:
    - Display the measurement using the APP or NFC.
    - Save them using **Link current measurement**.
    - End the test using **End door test.**

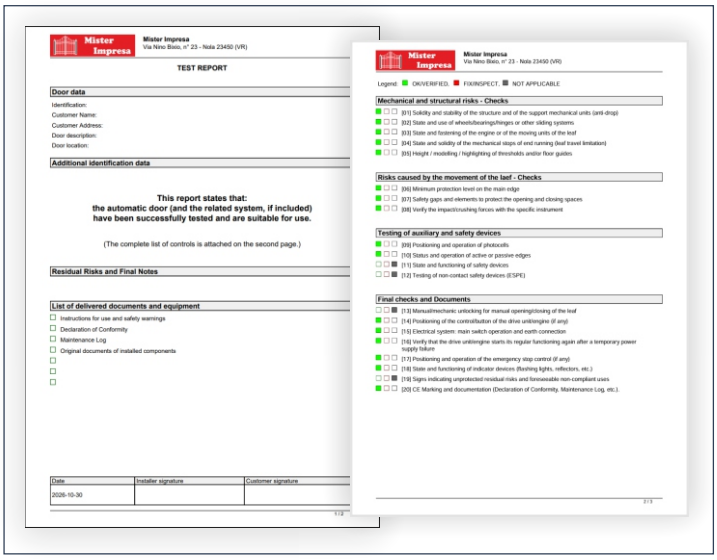


- Once the test is complete, you can generate a **print report** using your smartphone, but we recommend using **Doors Management** to complete the document with any missing data.

- **N.B.** If you do **not** use the "On-site Test", you can store the measurements in the **Saved Measurements** database using the S**ave Measurement** function; ④ you can then use the saved measurements to generate and print a new report as shown on page **10** (Creating a force limitation document).

DOCUMENT CREATION
RISK ANALYSIS AND TEST REPORT

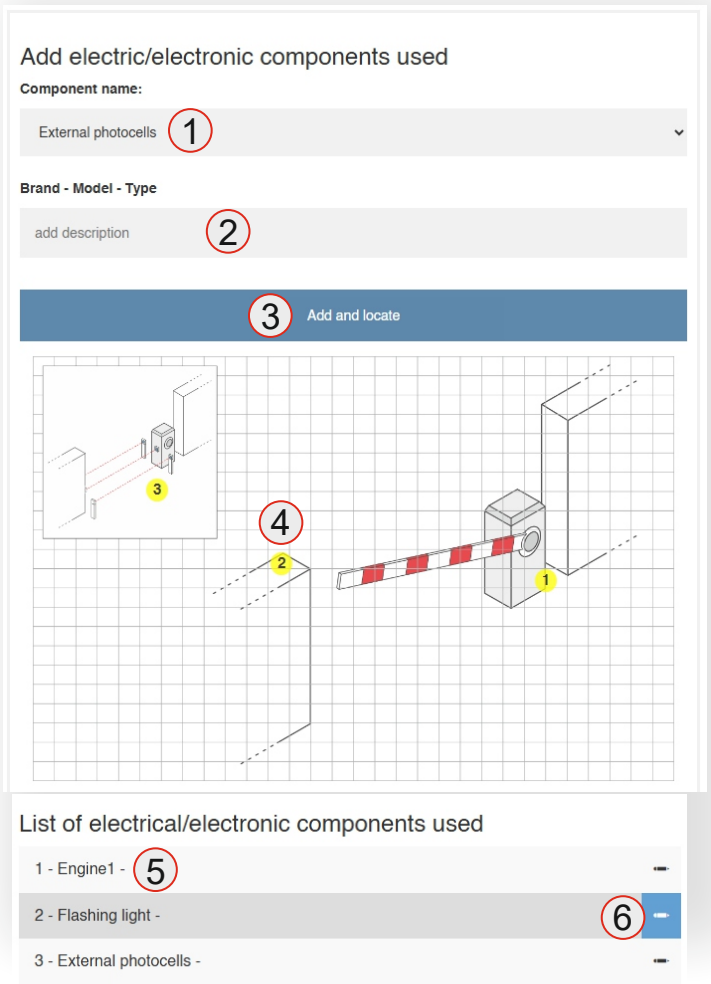
*The Risk analysis must be carried out on **every new door** or on those that have undergone **substantial modifications.** The document summarises all the checks required, includes the list of components and identifies the risks with the relevant safety solutions. Normally, this document is part of the Technical File, but is **not** delivered to the end user, as it is technical documentation intended for the manufacturer or installer. From the same menu, it is also possible to print the **Test Report**, which is a "summary" of the risk analysis. This document **must** be delivered to the end user, as it contains crucial information prior to the "commissioning" of the door.*



To create the Risk Analysis document, start from:

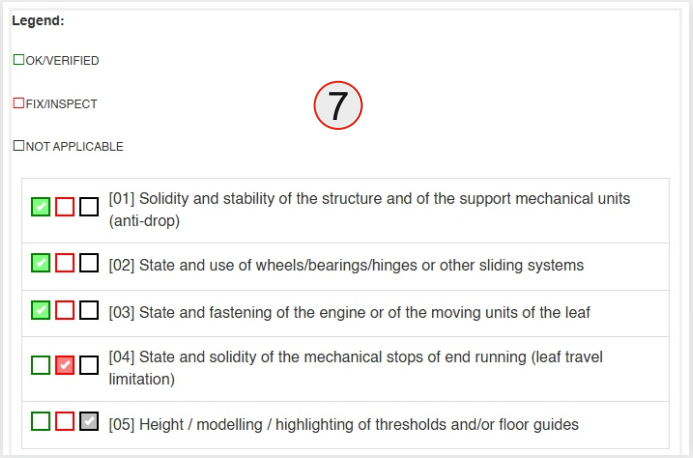
- **Doors Management**
- Select one of the available doors (or create a new one as described above).
- Go to **Risk Analysis** and click on **Add New**: you will be asked to select the door again. Once selected, the main risk analysis menu will open, which includes:

- **Doors Data** (see data entry in the previous paragraphs).
- **Components Location:** allows you to enter the list of components used in the automation and position them in the door drawing (purely indicative).
- Start by selecting the **Component Name** from the first menu (if the component is not available, you can select **"other..**." at the end of the list). ①
- In the next field, enter the **brand, model, and type** (if available). ②
- Then click on "**add and locate**" to insert the selected component into the drawing. ③



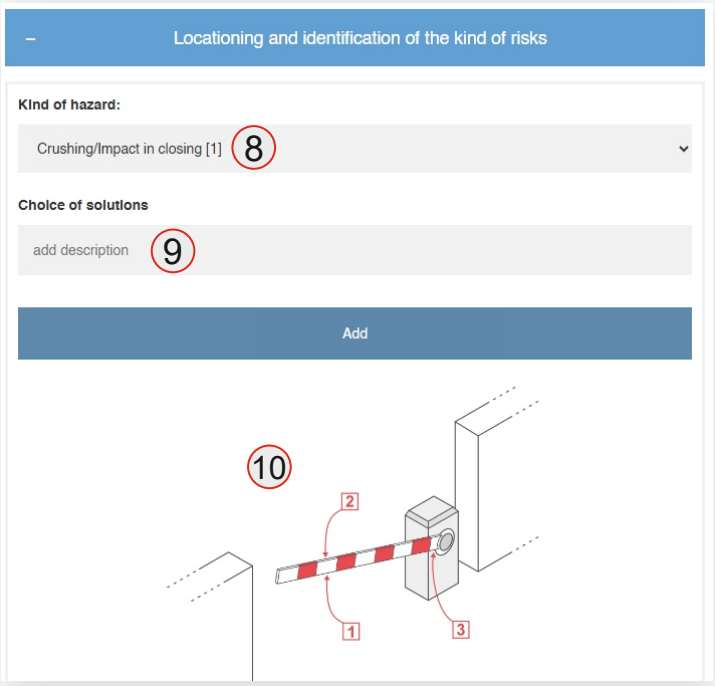
- **N.B.** Be careful when performing this operation, as when you activate the "**locate component**..." function, the mouse pointer will take on **a cross** shape while waiting to be positioned on the drawing. After releasing the mouse, the point will remain marked with a numbered **yellow dot.** ④
- Repeat these steps for all components (which will appear **in the list** below). ⑤
- To **edit** a component entry, use the **symbol** at the end of the line. ⑥ When finished, click on **SAVE.**

- Continuing, you will find the checklist, which must be completed by **ticking** the boxes, as already indicated on page **9** of the "Acceptance Report" document. (7)
- The checks are divided into four groups:
  - **Mechanical and structural risks**
  - **Risks due to door movement**
  - **Testing of auxiliary and safety devices**
  - **Final checks and documentation**
- After ticking the various boxes, save the document by clicking on **SAVE** at the bottom



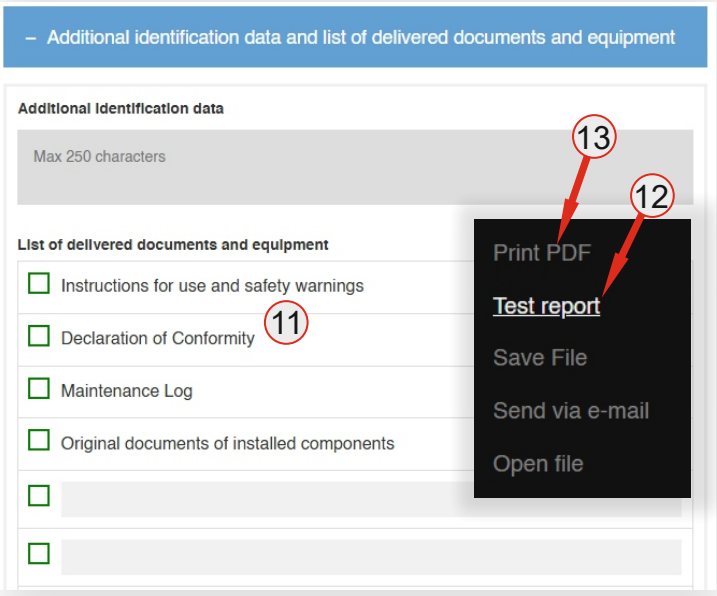
- **N.B.** The text of the checks is interactive! Clicking on it will display the online help.

- You can then compile a **list of risks** (if any) and a list of **solutions adopted.**
- Start from the top menu (8) Risk Type, select one of the risks shown in the diagram (10) (if the description of a particular risk is missing, you can choose "**other**..." at the end of the list).
- Below, enter the description of the solution in the **Choice of solutions** field. (9) (E.g. Risk of crushing -> Sensitive edge applied).
- Click on **Add** and then **SAVE** to finish and save the entry.



- Finally, you can add a description of any **residual risks** (if present) or any notes or personal considerations regarding the door.

- The last field to be filled in, **Additional identification data and delivered documents**, is not part of the risk analysis, but is useful for completing the **Test Report** document. In fact, it is possible to enter the list of documentation issued to the customer and also any equipment (e.g. keys, remote controls, etc.). (11)
- Once you have completed the form, click on **SAVE**. Then, if you wish to print the report in PDF format, use the menu at the top left. (12)
- The entire risk analysis can also be printed from the same menu on the left. (13)



- **N.B.** Please note that each time you save, the system suggests a **default file name**. This name can be changed as you wish, but please note that once changed, we recommend that you always overwrite the same file, otherwise a duplicate will be created with the new name you have chosen.

DOCUMENT CREATION
MAINTENANCE LOG

The Maintenance Log is an essential document, as it records the history of all work carried out over time, as specified by the manufacturer or the installer (if he built the automation system).

- By selecting the **Maintenance Log** menu, you can generate the document in two ways:
  - **Saved electronically in the Cloud.**
  - **Printed on paper for the customer.**

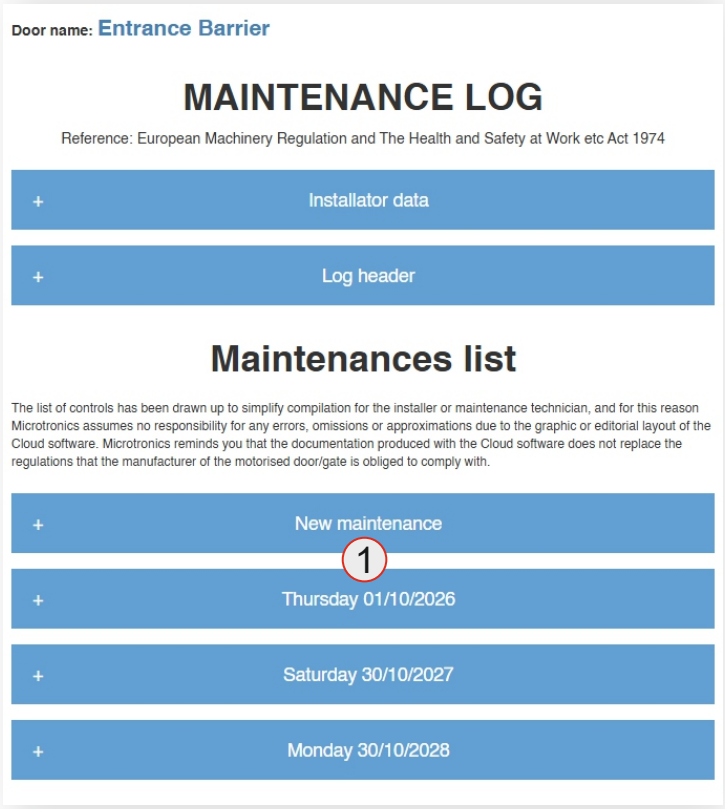
Maintenance log stored in the cloud

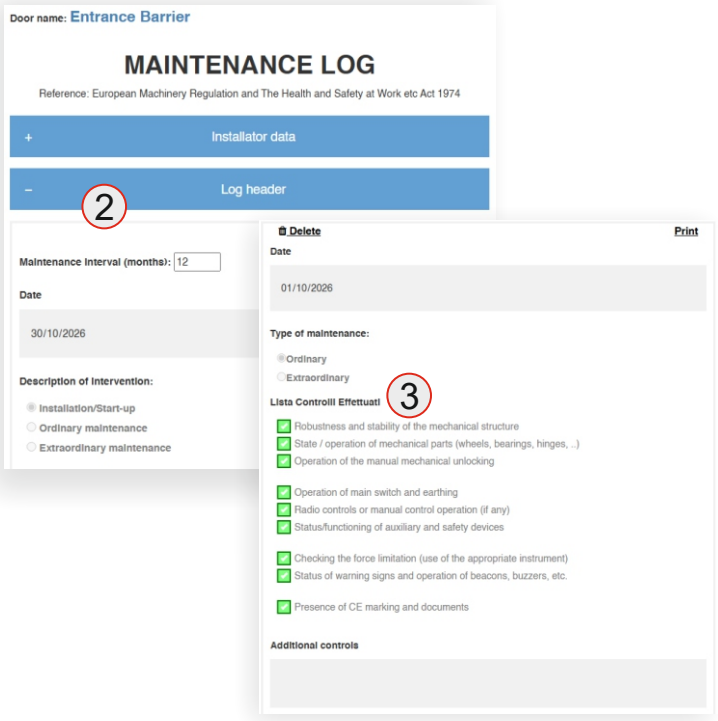
- In this case, the cloud is used ① as a digital archive to be updated after each maintenance session
- by adding new maintenance entries as and when required, so:
- Select the relevant **door**, then click on **Maintenance Log** ② and then click on **Add maintenance log**.
- You will be prompted to complete the **register header**, which includes entering the **maintenance frequency** (6 months, 12 months, etc.) and the **start date** (the date on which the door was first put into operation).
- The Maintenance Log has now been 'initialised' and is ready to be completed on **each due date** using the "**New Maintenance**" feature.
- So, when you click on "**New Maintenance**", a panel opens showing the **maintenance date** and the **list of checks.** ③
- Enter the date on which the maintenance was carried out and then tick the boxes for the checks carried out (the list of checks is generic, with the option to add **further checks**).
- When you've finished, always remember to **save** your work using the Save command at the bottom of the page.
- **If you wish to print a copy of the stored log,** open the menu in the top left-hand corner and select **Print PDF,** then select:
  - **Print Register Header**
  - **Print Maintenance List**

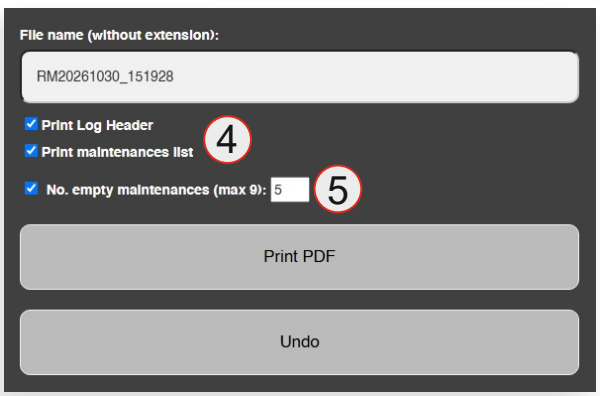
④

- **If you wish to print a log on paper** to be completed **by hand** after each service, select the following options instead:
  - **Print Register Header**
  - **No. of maintenance visits** (enter a number corresponding to the number of months between one maintenance visit and the next).

⑤







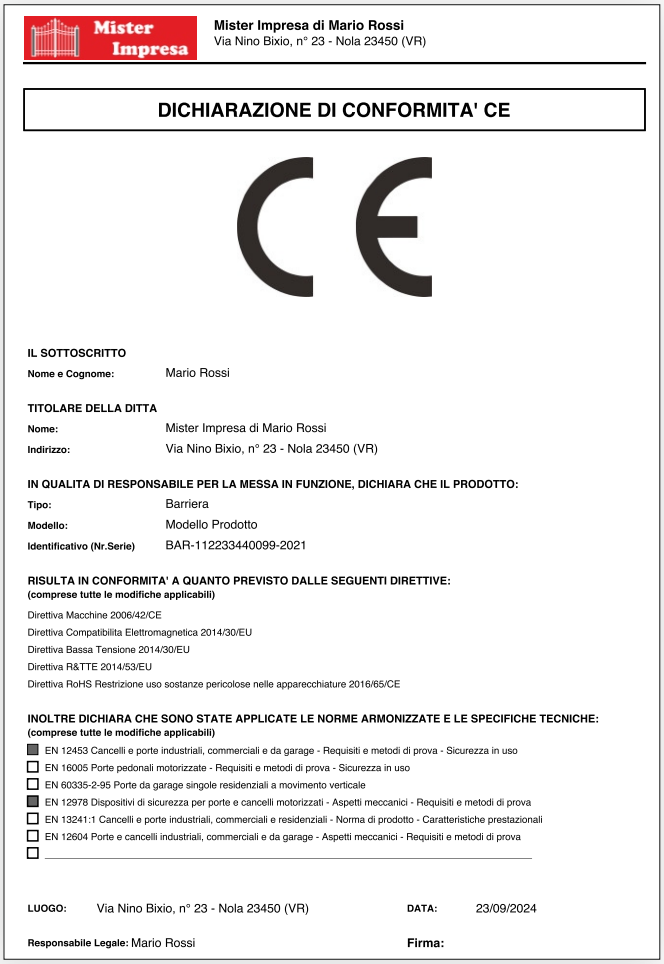
DOCUMENT CREATION
CE DECLARATION OF CONFORMITY

The CE Declaration of Conformity for a motorised door is an official document drawn up by the manufacturer (or installer, if he motorised the door), certifying that the automation system (and its components) complies with the applicable European regulations and directives to ensure safety and compliance with the quality standards required by European legislation.

- For this document, compilation operations are simplified. In fact, the “Cloud system” automatically inserts the data that has been entered in the **Customer Data, Door Data and Additional Data** menus, creating a document that is ready to be printed or archived in the Cloud.
- From **Doors Management**, select the relevant door, open the **CE Declaration** menu and click on **Add New.**
- Check the automatically entered data and, if necessary, change the default date.
- If you need to cite specific regulations, you can add them at the bottom of the list.
- When you are finished, click on **Print PDF** at the bottom to create the document.



- **N.B.** In the English version of BlueForce Cloud, you can select the Conformity for the country of origin.



Mister Impresa

Mister Impresa di Mario Rossi
Via Nino Bixio, n° 23 - Nola 23450 (VR)

DICHIARAZIONE DI CONFORMITA' CE

CE

IL SOTTOSCRITTO
Nome e Cognome: Mario Rossi

TITOLARE DELLA DITTA
Nome: Mister Impresa di Mario Rossi
Indirizzo: Via Nino Bixio, n° 23 - Nola 23450 (VR)

IN QUALITA DI RESPONSABILE PER LA MESSA IN FUNZIONE, DICHIARA CHE IL PRODOTTO:
Tipo: Barriera
Modello: Modello Prodotto
Identificativo (Nr.Serie) BAR-112233440099-2021

RISULTA IN CONFORMITA' A QUANTO PREVISTO DALLE SEGUENTI DIRETTIVE:
(comprese tutte le modifiche applicabili)

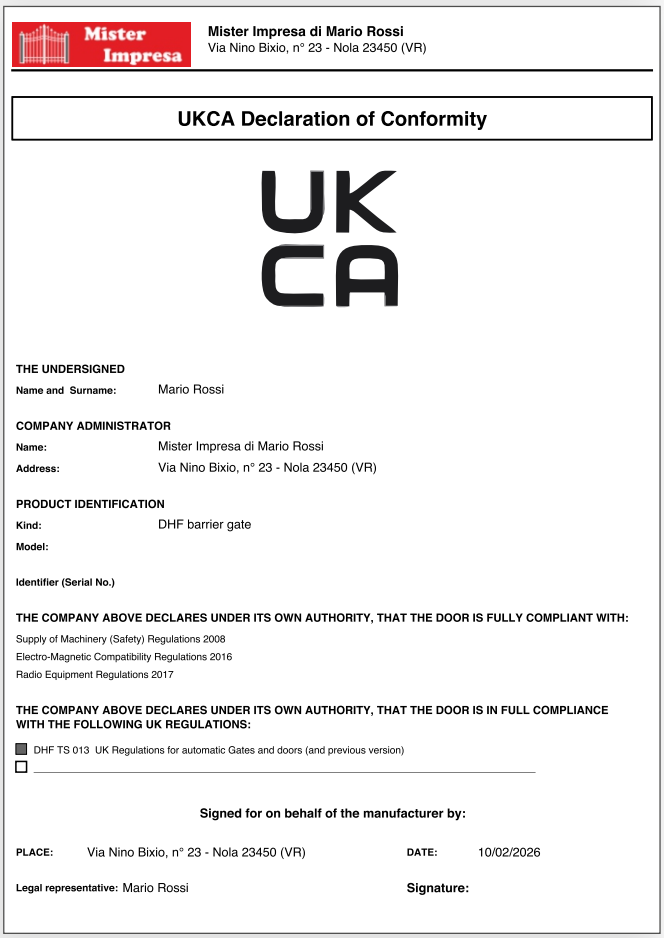
Direttiva Macchine 2006/42/CE
Direttiva Compatibilita Elettromagnetica 2014/30/EU
Direttiva Bassa Tensione 2014/30/EU
Direttiva R&TTE 2014/53/EU
Direttiva RoHS Restrizione uso sostanze pericolose nelle apparecchiature 2016/65/CE

INOLTRE DICHIARA CHE SONO STATE APPLICATE LE NORME ARMONIZZATE E LE SPECIFICHE TECNICHE:
(comprese tutte le modifiche applicabili)

- [x] EN 12453 Cancelli e porte industriali, commerciali e da garage - Requisiti e metodi di prova - Sicurezza in uso
- [ ] EN 16005 Porte pedonali motorizzate - Requisiti e metodi di prova - Sicurezza in uso
- [ ] EN 60335-2-95 Porte da garage singole residenziali a movimento verticale
- [x] EN 12978 Dispositivi di sicurezza per porte e cancelli motorizzati - Aspetti meccanici - Requisiti e metodi di prova
- [ ] EN 13241:1 Cancelli e porte industriali, commerciali e residenziali - Norma di prodotto - Caratteristiche prestazionali
- [ ] EN 12604 Porte e cancelli industriali, commerciali e da garage - Aspetti meccanici - Requisiti e metodi di prova
- [ ] _____

LUOGO: Via Nino Bixio, n° 23 - Nola 23450 (VR) **DATA:** 23/09/2024

Responsabile Legale: Mario Rossi **Firma:**



Mister Impresa

Mister Impresa di Mario Rossi
Via Nino Bixio, n° 23 - Nola 23450 (VR)

UKCA Declaration of Conformity

UK CA

THE UNDERSIGNED
Name and Surname: Mario Rossi

COMPANY ADMINISTRATOR
Name: Mister Impresa di Mario Rossi
Address: Via Nino Bixio, n° 23 - Nola 23450 (VR)

PRODUCT IDENTIFICATION
Kind: DHF barrier gate
Model:

Identifier (Serial No.)

THE COMPANY ABOVE DECLARES UNDER ITS OWN AUTHORITY, THAT THE DOOR IS FULLY COMPLIANT WITH:

Supply of Machinery (Safety) Regulations 2008
Electro-Magnetic Compatibility Regulations 2016
Radio Equipment Regulations 2017

THE COMPANY ABOVE DECLARES UNDER ITS OWN AUTHORITY, THAT THE DOOR IS IN FULL COMPLIANCE WITH THE FOLLOWING UK REGULATIONS:

- [x] DHF TS 013 UK Regulations for automatic Gates and doors (and previous version)
- [ ] _____

Signed for on behalf of the manufacturer by:

PLACE: Via Nino Bixio, n° 23 - Nola 23450 (VR) **DATE:** 10/02/2026

Legal representative: Mario Rossi **Signature:**

DOCUMENT CREATION

USER AND MAINTENANCE MANUAL

The User and Maintenance Instructions are amongst the most important documents to be provided to the end user of the motorised gate. The regulations stipulate that the manual may also be provided in digital format, whilst health and safety warnings must be printed on paper. If the manufacturer's original instructions are not available, or if the customer does not have them, it is necessary to use this Cloud feature to create a new document.

- To complete the "Instructions" document, **you must have previously created the Risk Analysis document**; if this is not available, you can enter a blank risk analysis.

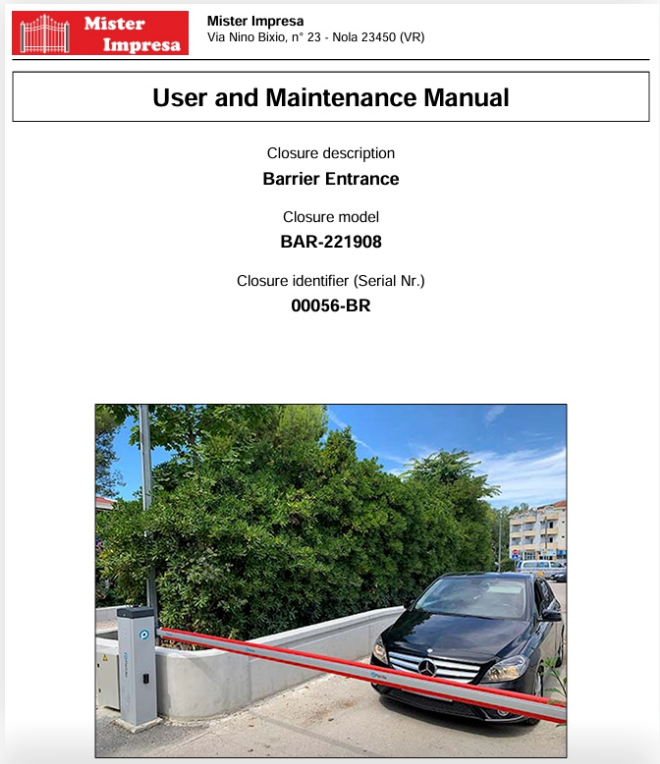
- The process of compiling the manual is guided and simplified: simply tick the boxes **(flags)** next to the sentences in the list, and the system will automatically generate all the pages of the document, allowing you to save a PDF copy.

The document consists of 8 sections:

- HEALTH AND SAFETY WARNINGS *
- DOOR SPECIFICATIONS AND COMPONENTS
- RESIDUAL RISKS
- OPERATION AND CONTROLS
- INSPECTIONS AND MAINTENANCE
- ADDITIONAL WARNINGS
- TROUBLESHOOTING
- TABLE OF SYMBOLS

- All sections, **with the exception of the first***, can be excluded from printing by ticking the corresponding boxes.

- The predefined phrases in the list are standard and can be adapted to any type of door. However, in some sections, you can select the options **"Add a new check"** or **"Tick to enter instructions"** to add customised text.



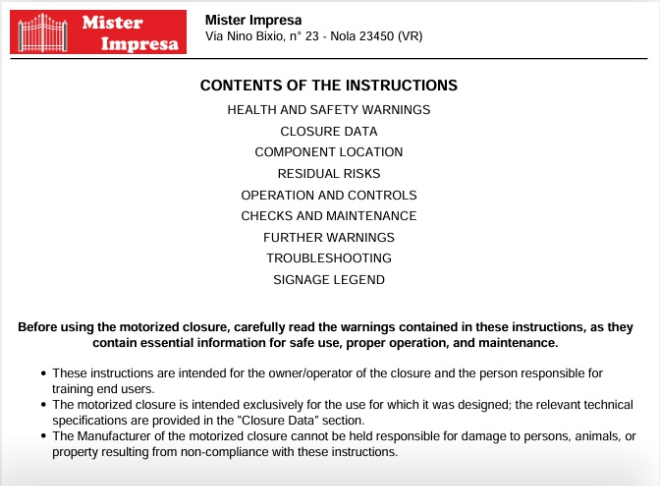
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User and Maintenance Manual

Closure description
Barrier Entrance

Closure model
BAR-221908

Closure identifier (Serial Nr.)
00056-BR



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CONTENTS OF THE INSTRUCTIONS

HEALTH AND SAFETY WARNINGS
CLOSURE DATA
COMPONENT LOCATION
RESIDUAL RISKS
OPERATION AND CONTROLS
CHECKS AND MAINTENANCE
FURTHER WARNINGS
TROUBLESHOOTING
SIGNAGE LEGEND

Before using the motorized closure, carefully read the warnings contained in these instructions, as they contain essential information for safe use, proper operation, and maintenance.

- These instructions are intended for the owner/operator of the closure and the person responsible for training end users.
- The motorized closure is intended exclusively for the use for which it was designed; the relevant technical specifications are provided in the "Closure Data" section.
- The Manufacturer of the motorized closure cannot be held responsible for damage to persons, animals, or property resulting from non-compliance with these instructions.



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LEGEND OF INFORMATIONAL SIGNAGE

1) Generic danger, be careful.
2) Danger of electric shock.
3) Danger of horizontal crushing.
4) Trip hazard.
5) Danger of slipping on steps.
6) Danger of slipping on flooring.
7) Danger of hand crushing.
8) Danger of foot crushing.
9) Danger of moving mechanisms.
10) No climbing.
11) No pedestrian passage.
12) Do not touch.
13) Indication of a dangerous area or obstacle.
14) Information: read the instructions.
15) Follow the indications of the pedestrian path.

Technical File
and
Other related documents

The last two menus in BlueForce Cloud allow you to create a **digital Technical File.**

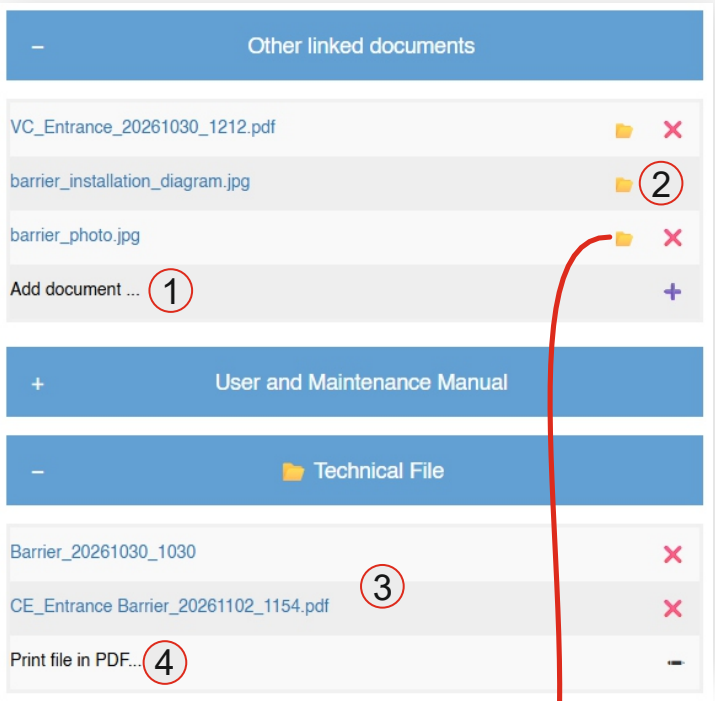
Other related documents Menu

- In this menu, you can insert photographs, drawings, diagrams, and other third-party documents that must
- be included in the technical file.
- To insert a photo or a new document, click on Add, then on Save to store (it takes a few seconds to upload). ①

- **N.B.** Files uploaded to the Cloud **must not exceed 2 MB in size**, so you will need to reduce or compress your files before uploading them. There are several **free services** available on the web **for reducing** file sizes. If necessary, contact Microtronics for a **guide to file reduction.**

Technical File Menu

- In this menu, you can create the **Digital Technical File,** which can contain documents compiled in the Cloud as well as third-party documents (as indicated in the previous paragraph).
- To compile the Technical File, you must select the documents for your door by clicking on the **yellow folder** ② to the right of each document. (The documents will be added to the Technical File menu.)③
- Then open the Technical File menu and click on **Print file in PDF...** ④
- You can now preview **the cover** of the file with the main door data and the execution date (which can be set). Below is a default design. If you wish to **change the default design** and insert a photo of the door,you must have inserted at least one photograph in the **Other associated documents** menu.⑤ Click on **Select Image** to replace the cover photo with the current one.
- To insert the previously selected documents (yellow folder), you must select them again, confirming the **grey ticks.** ⑥
- To finish, click on **Save PDF** and the Technical File will be created with all the selected documents.





Contents of the Tests Management menu

In this menu, you can view the three databases of measurements sent or saved with the BlueForce Smart **Pro** and BlueForce **Smart** instruments.

① **Currently testing door measurements:** in this menu, you can view all measurements saved with the **On-site test** function (as indicated on page **12**). Clicking on the test ② displays the list of measurements taken..

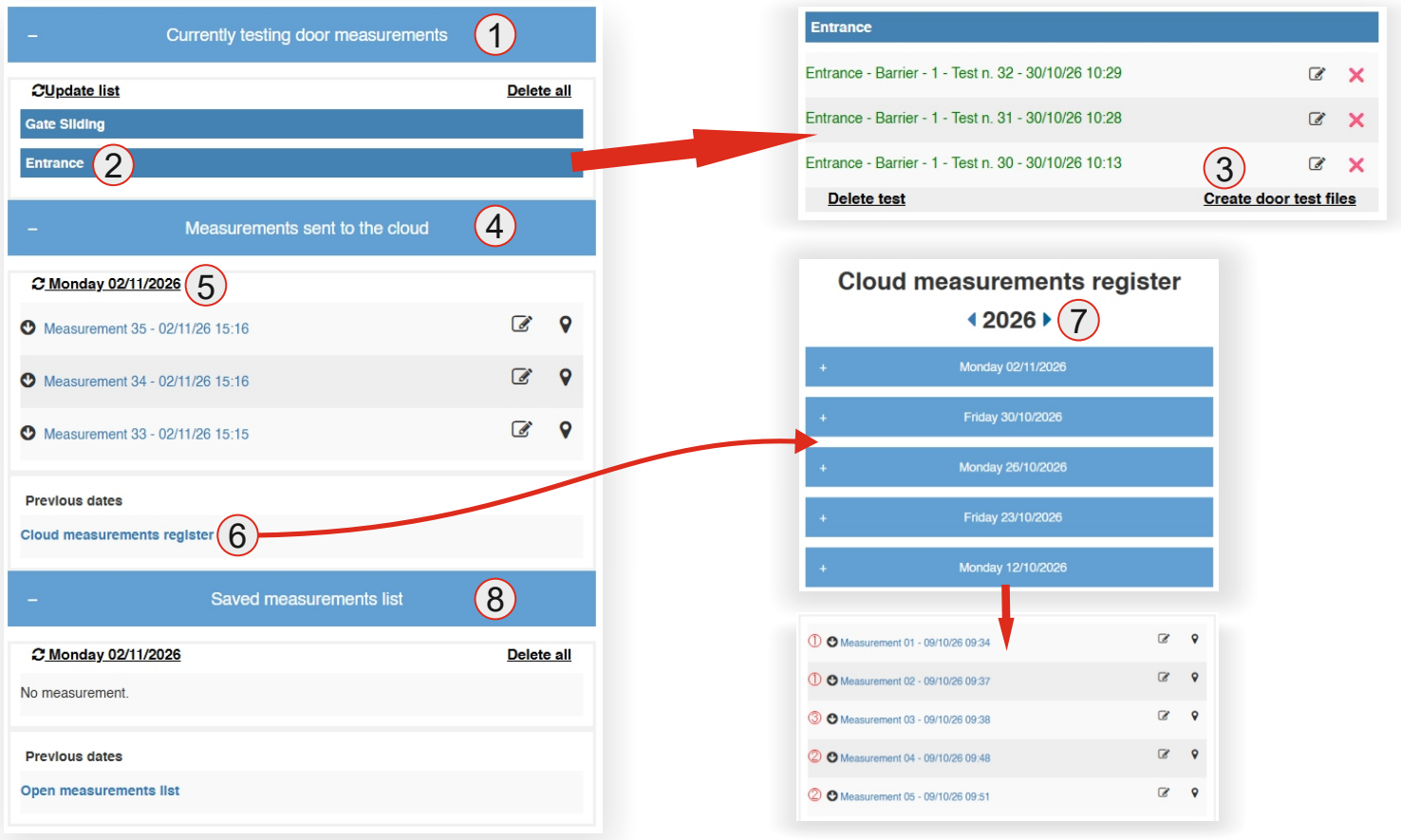
- In addition to the available functions such as Update list, Delete, etc., you can **generate the door test file** ③ if the file was **not** created during the on-site test.
- The file can be used to create a **new print report**, or it can be imported into an existing door (from the Force limitation menu) using the function in the left-hand menu **Open file.**

④ **Measurements sent to the cloud:** this menu is only for **BlueForce Smart Pro** users, as it allows you to view all measurements sent in GSM mode.

- Clicking on the current day ⑤ **updates** the page. If no measurements are displayed, it means that no measurements were taken on that day.
- To view **previous measurements**, click on the **cloud measurements register.** ⑥ The measurements will then be displayed grouped by day and year. To change the year, use the arrows before and after the date.⑦
- **ATTENTION:** due to the number of measurements stored, opening previous years may take several seconds to display.

⑧ **Saved measurements list:** this menu is only for **BlueForce Smart** users. It displays all measurements that have been **saved** via the app or the NFC system.

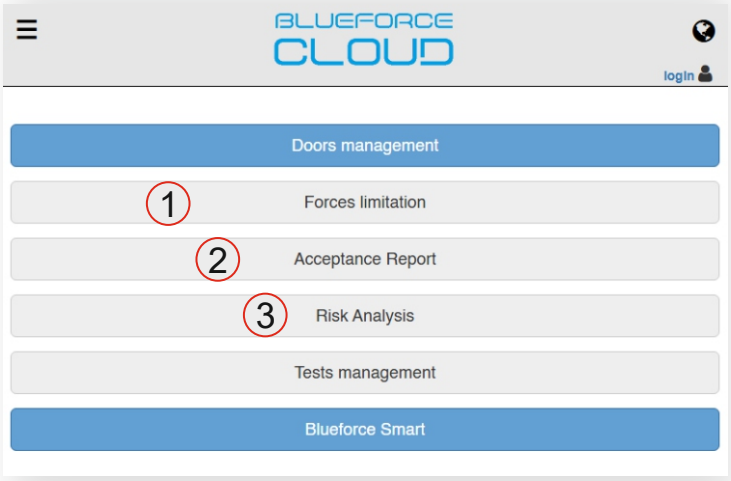
- To consult this list, proceed as indicated for Cloud measurements.
- N.B. Saved measurements can be deleted from the list.



Menu with independent functions

- The following features on the home page:

① **Forces Limitation**
② **Acceptance Report**
③ **Risk Analysis**



- Can be used independently of doors management, allowing you to compile and generate individual documents.

- These functions are generally used by technicians who carry out checks or compile reports on force measurements, without necessarily drawing up a complete Technical File.

- To complete these documents, follow the instructions set out in the relevant sections on pages **9**, **10** and **15**.

Practical Tips

- In this guide, important **information** is highlighted in GREY.

- In this guide, **very important information** is highlighted in GREEN.

- When using the Cloud, especially after entering data, we recommend that you SAVE your work frequently. You can always make changes later.

- If you are using BlueForce Cloud for the first time, we recommend that you experiment with the various functions to see the results, then delete the data, measurements, doors, etc. This will allow you to start with a clean Cloud without unnecessary records.

- For those who have used earlier versions of Microtronics software, it is possible to recover previous data and import it into BlueForce Cloud. Please contact Microtronics for guidance if necessary.

- To find out about future developments for BlueForce Cloud, check the NEWS page in the left-hand menu.

Guide to using the BlueForce Cloud portal

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