Sirio WiFi module

End user reference manual (EN)
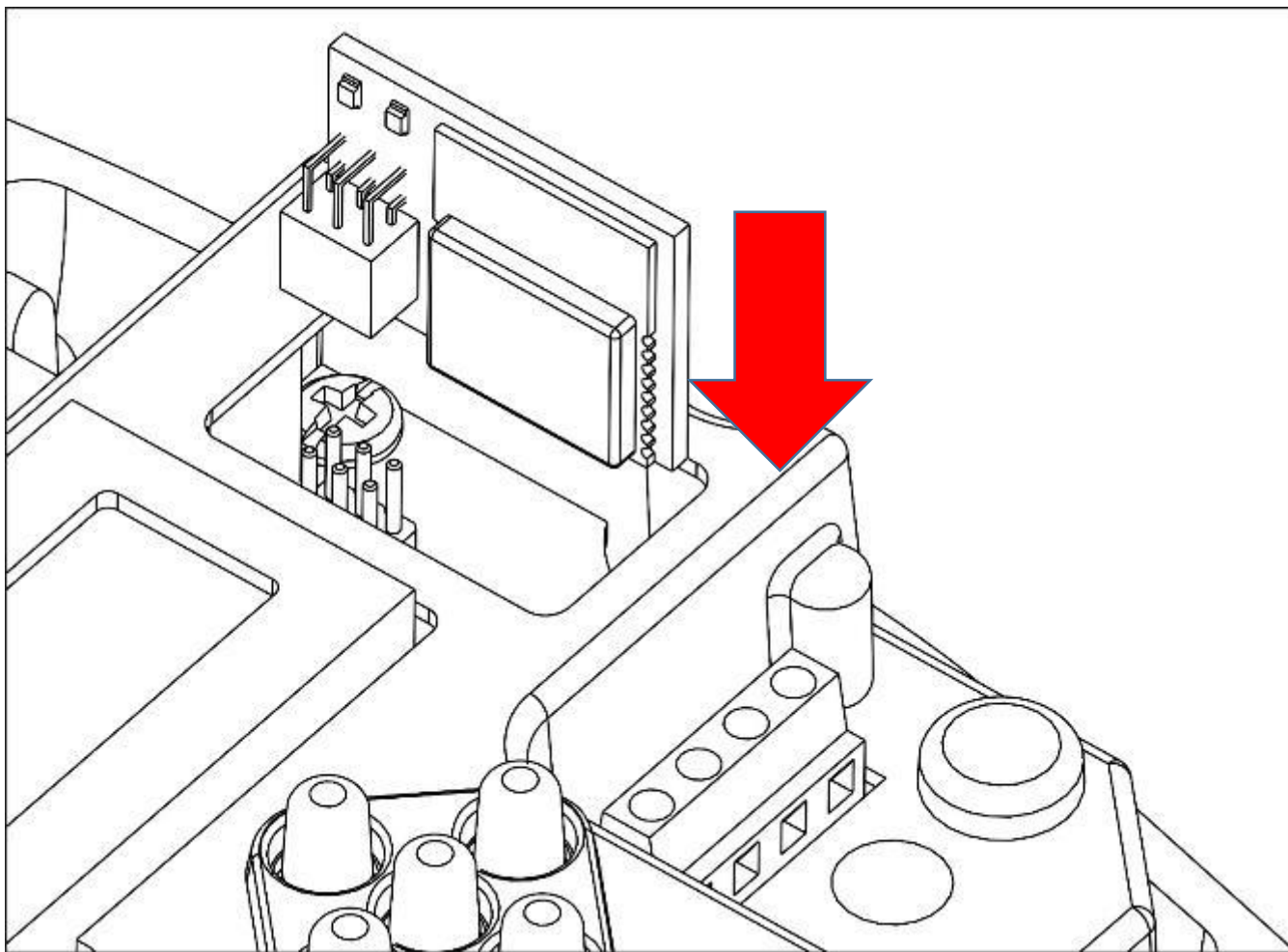
Table of contents:

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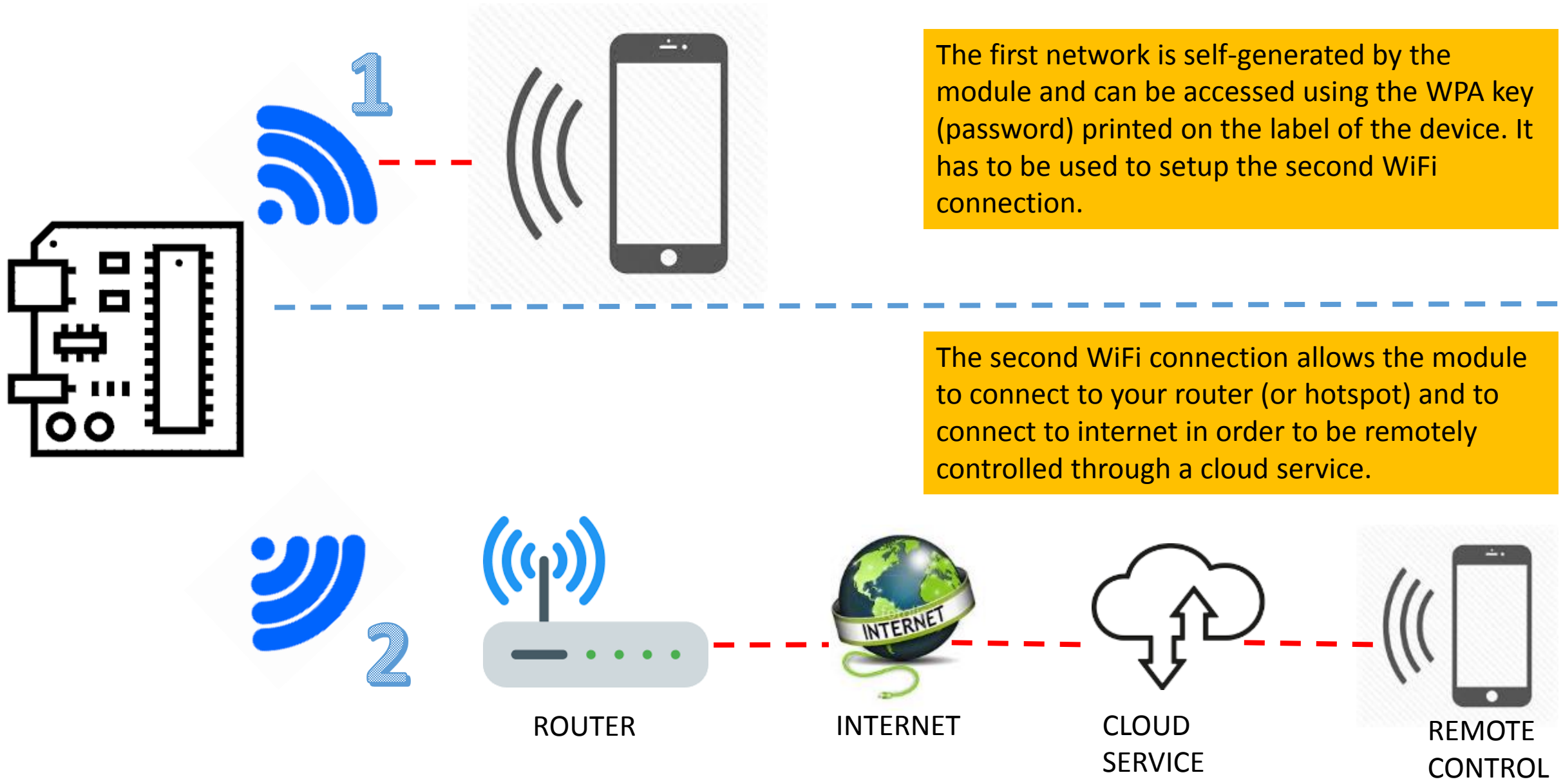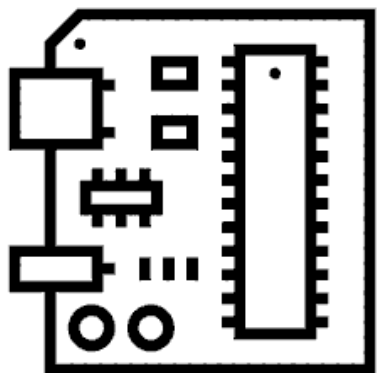# Section 1

Setup and initial configuration

Install the WiFi device inside Sirio according to instruction manual and power-on the inverter

Um die Platine korrekt in das Gehäuse einzuführen, ist ggf. eine geringfügige Anpassung der Gehäuseöffnung erforderlich. Wir bitten Sie, die Öffnung minimal zu erweitern. Dadurch wird der notwendige Platz geschaffen, um die Platine passgenau einzusetzen.

The WiFi module can manage 2 networks simultaneously

1

The first network is self-generated by the module and can be accessed using the WPA key (password) printed on the label of the device. It has to be used to setup the second WiFi connection.

The second WiFi connection allows the module to connect to your router (or hotspot) and to connect to internet in order to be remotely controlled through a cloud service.

2

ROUTER

INTERNET

CLOUD SERVICE

REMOTE CONTROL

1

SSID: WINET-7FD4E404

To setup the module, connect (with a smartphone, tablet or laptop) to the self generated network (SSID begins with WiNET followed by the last 8 digits of the MAC address). The WPA key is printed on the label outside the package.
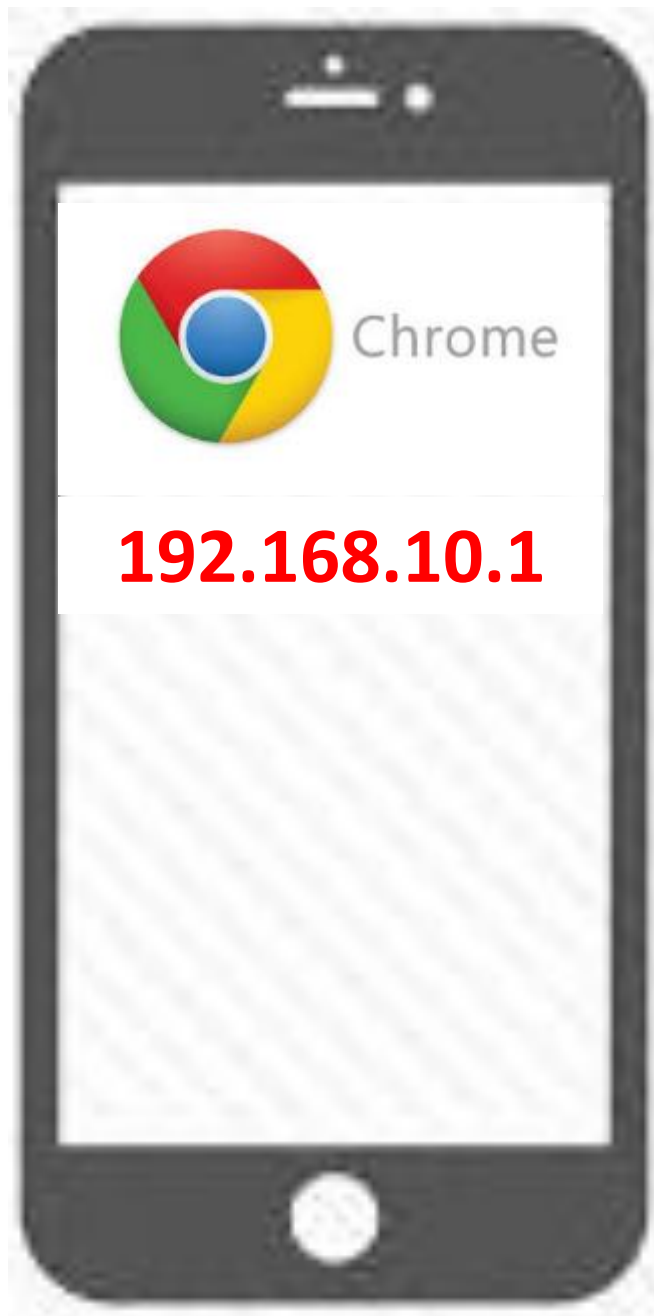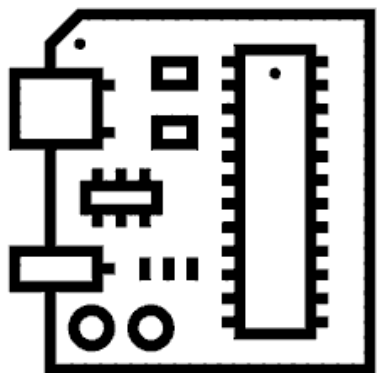
CE 1177

MAC:5CCF7FD4E404
WPA:494B7362
REG. CODE:674010

Wi-Fi™

ITALTECNICA Srl
Tribano (PD) - ITALY

2.4 GHz ~ 2.5 GHz TYPE: MD.WIFI.SR5V

192.168.10.1

Once connected to the WiFi module network, open Google Chrome.

In the top address bar of Chrome, please digit http:\\192.168.10.1 to enter the management page of the module.

Italiano

Management Status Login Configuration ▾

Networks
Dhcp
Settings

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Inverter status

STAND-BY

🔴 Master

🔴 Motor On

From the management page, click on Configuration menu, then Networks.

Network Settings

Wireless network connection

Available Networks:

Scan Networks

My WiFi Network
WPA2_PSK

Password:

Connect

User defined

Using the "Scan Networks" button it's possible to view a list of all WiFi networks in the area. Choose the network that the module must use to connect Internet and provide the WPA key.

The module will connect to your personal WiFi network to get access to internet (the green LED on the module will turn OFF).

From Configuration → Status it's possible to verify as well the status of the WiFi connection.

To remotely control your pump from anywhere over internet, it's necessary to subscribe a cloud service as explained below.

Section 2

Cloud service for remote control

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In your web browser open the URL **www.cloudwinet.it**

Username

Username

Password

Password

☑ Remember me   Recovery Password

Login

Not registered yet?   Register now your account

Once you registered, login using your username and password

If you don't have an account, click on the «Register» button and follow the registration procedure.
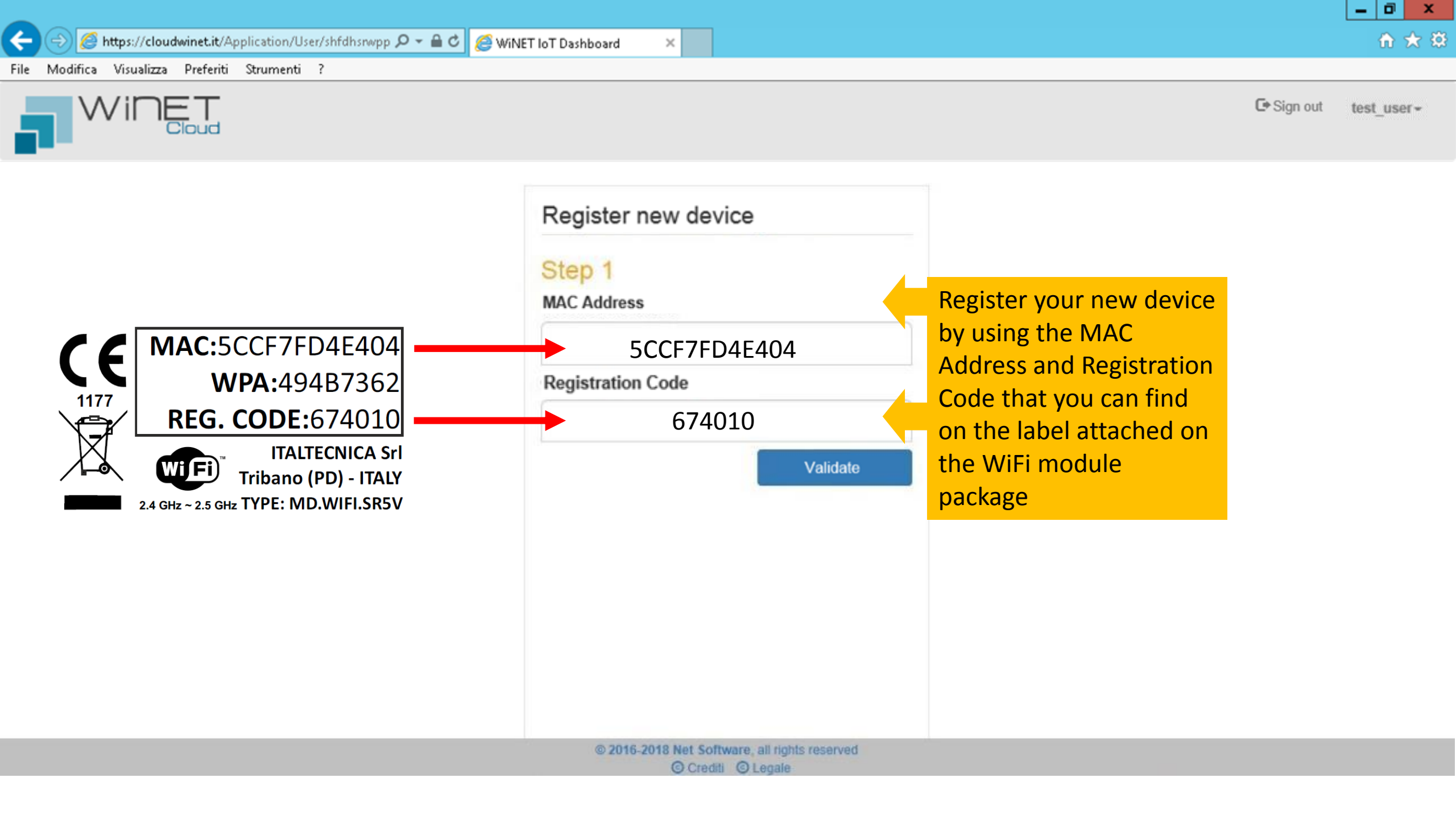You'll receive an e-mail for activation of your account.

File   Modifica   Visualizza   Preferiti   Strumenti   ?

WiNET Cloud

Sign out   test_user
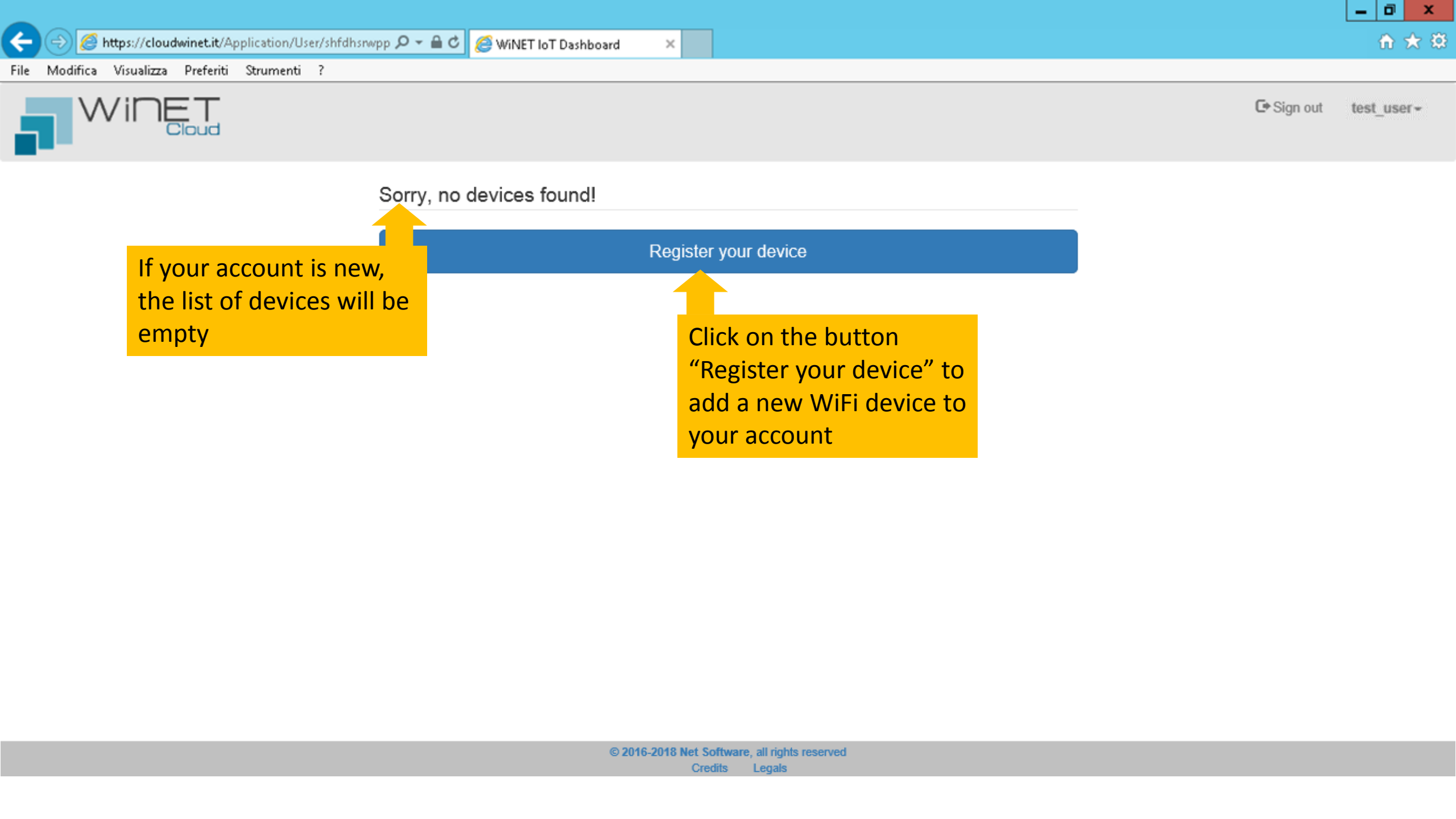
Sorry, no devices found!

Register your device

If your account is new, the list of devices will be empty

Click on the button "Register your device" to add a new WiFi device to your account

WiNET Cloud

Sign out   test_user

Register new device

Step 1

MAC Address

5CCF7FD4E404

Registration Code

674010

Validate

MAC:5CCF7FD4E404
WPA:494B7362
REG. CODE:674010

ITALTECNICA Srl
Tribano (PD) - ITALY
2.4 GHz ~ 2.5 GHz **TYPE: MD.WIFI.SR5V**

1177

Register your new device by using the MAC Address and Registration Code that you can find on the label attached on the WiFi module package
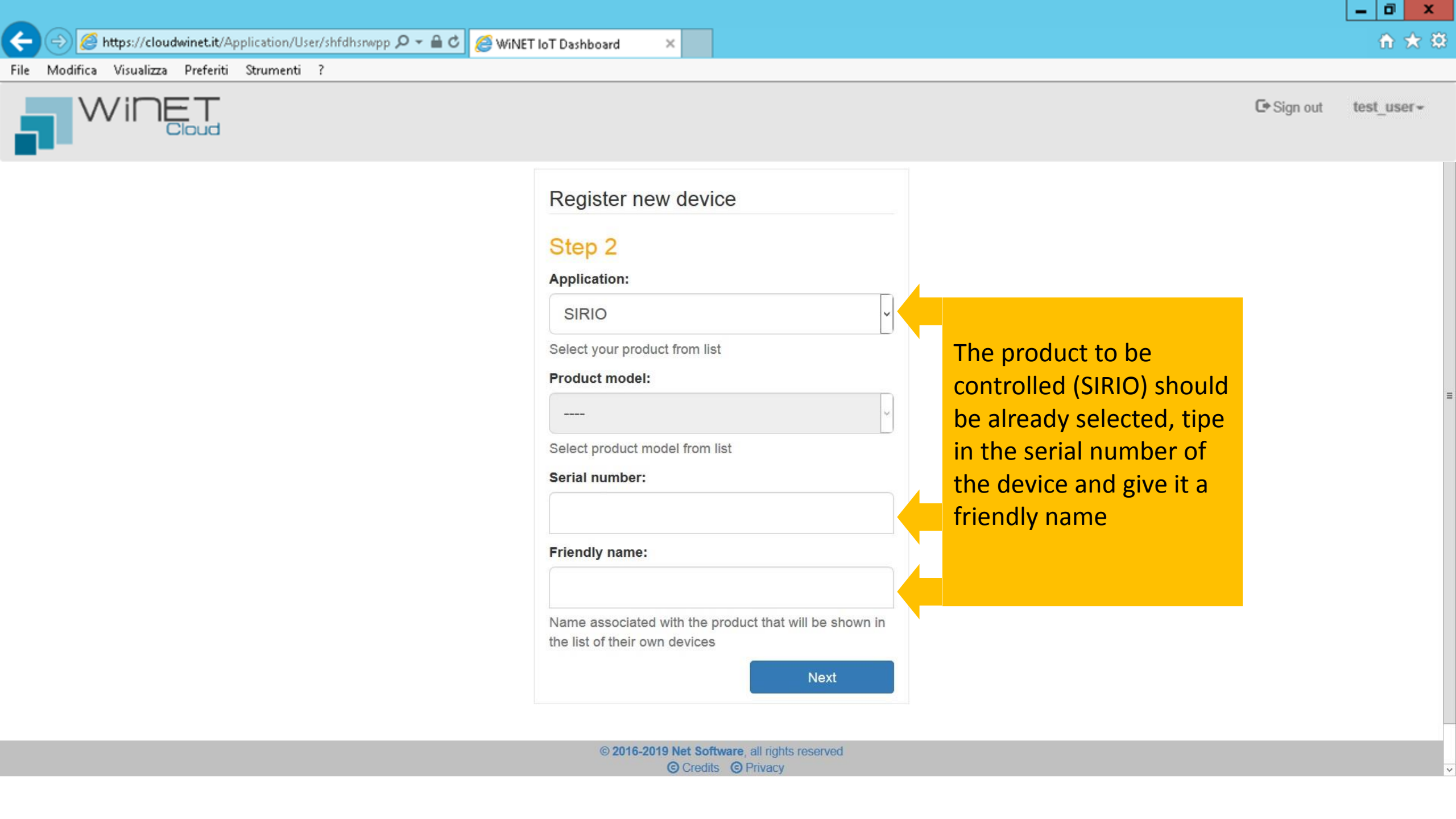
Register new device

Step 2

Application:

SIRIO

Select your product from list

Product model:

Select product model from list

Serial number:

Friendly name:

Name associated with the product that will be shown in the list of their own devices

Next

The product to be controlled (SIRIO) should be already selected, tipe in the serial number of the device and give it a friendly name

WiNET
Cloud

Sign out   test_user

Register new device
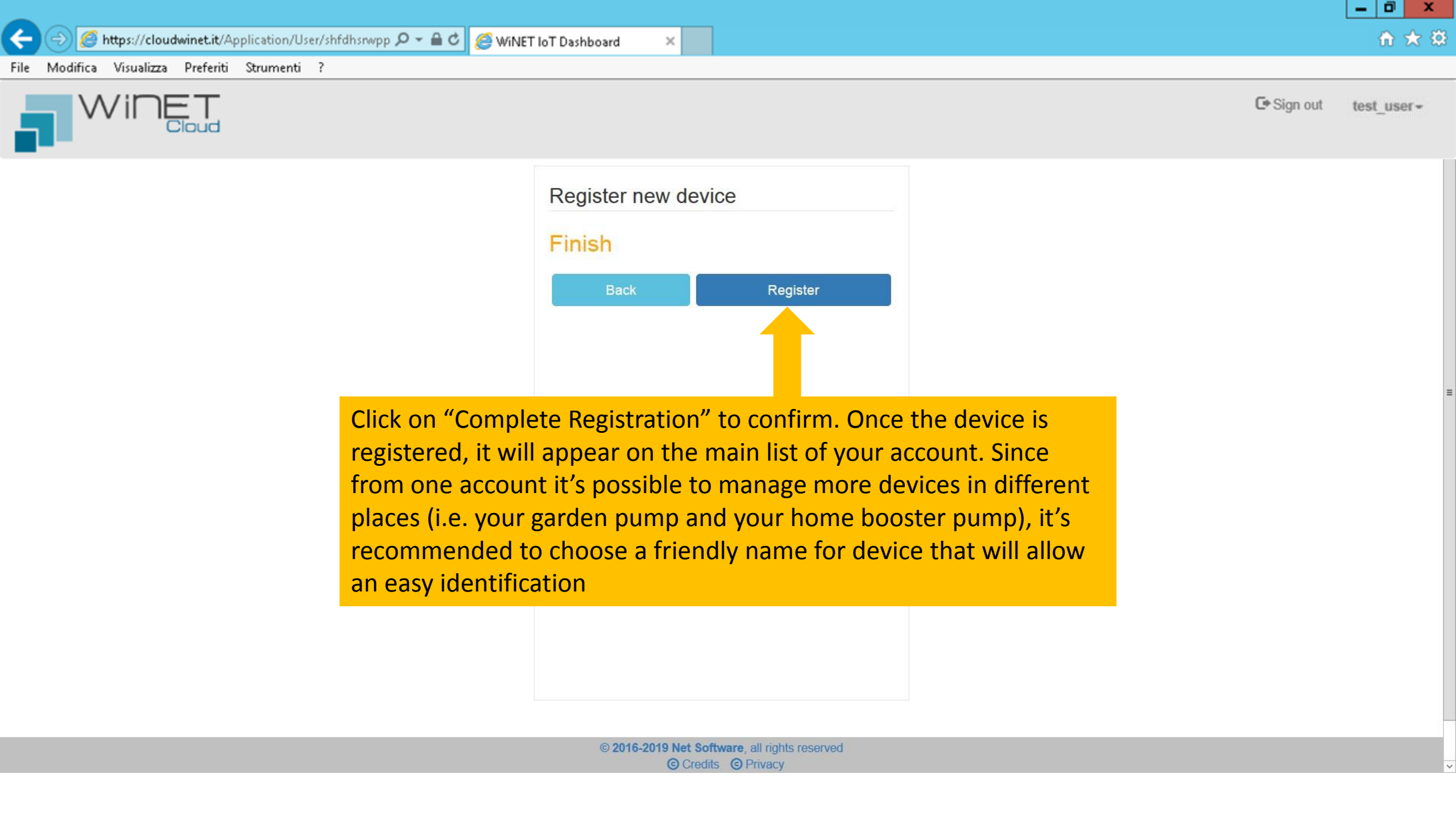
Step 3

Name:

Surname:

Address:

Postal Code:

City:

Region:

Country:

Back   Validate

Type in your information to proceed with the registration (Name, Surname, Address, Postal Code)

File   Modifica   Visualizza   Preferiti   Strumenti   ?

WiNET Cloud

Sign out   test_user

Register new device

Finish

[Back]   [Register]

Click on "Complete Registration" to confirm. Once the device is registered, it will appear on the main list of your account. Since from one account it's possible to manage more devices in different places (i.e. your garden pump and your home booster pump), it's recommended to choose a friendly name for device that will allow an easy identification

File Modifica Visualizza Preferiti Strumenti ?

WiNET Cloud

Sign out   test_user
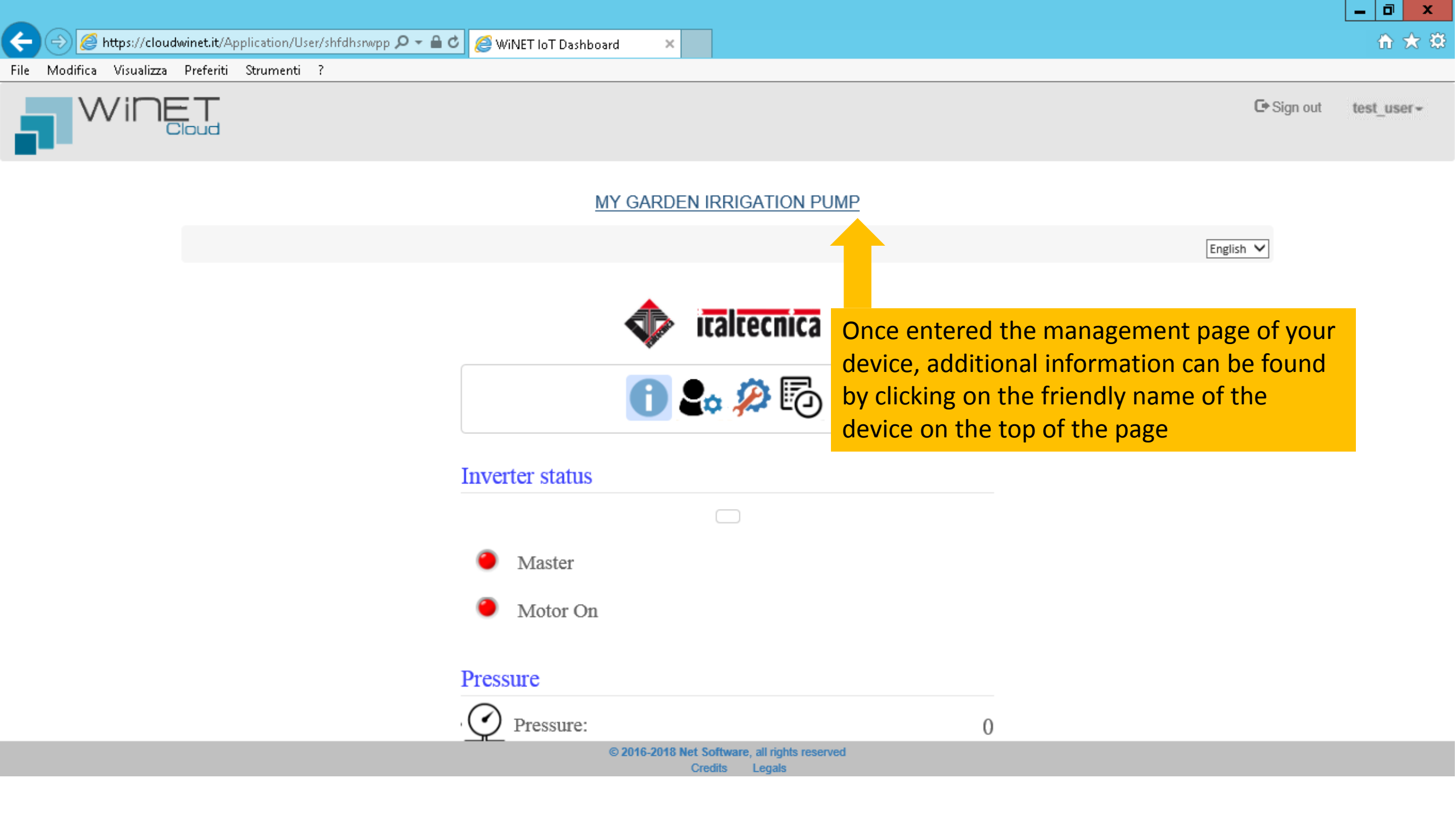
My Devices
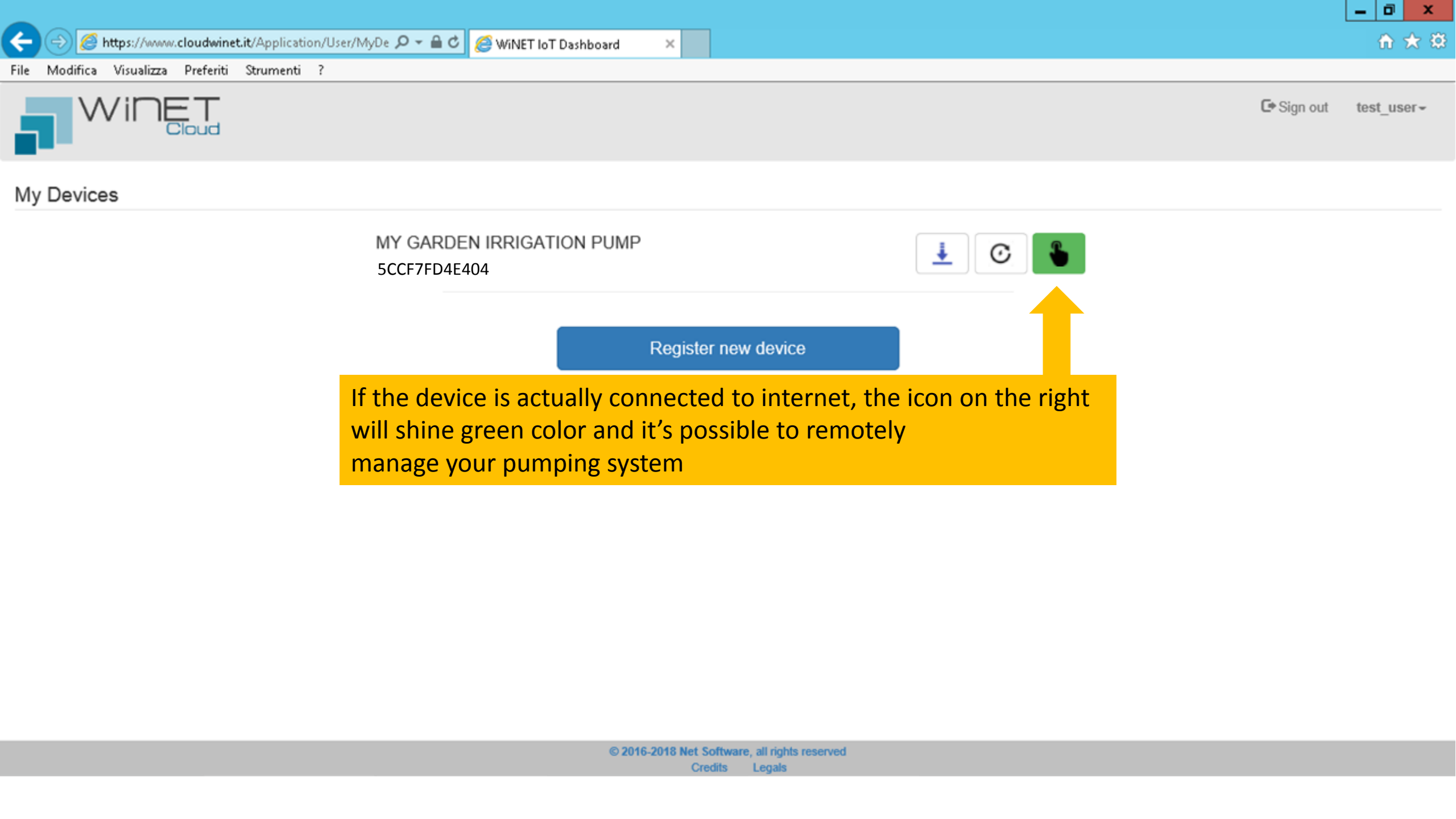
MY GARDEN IRRIGATION PUMP

5CCF7FD4E404

Register new device

If the device is actually connected to internet, the icon on the right will shine green color and it's possible to remotely manage your pumping system

WiNET Cloud

Sign out   test_user

MY GARDEN IRRIGATION PUMP

English

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Once entered the management page of your device, additional information can be found by clicking on the friendly name of the device on the top of the page
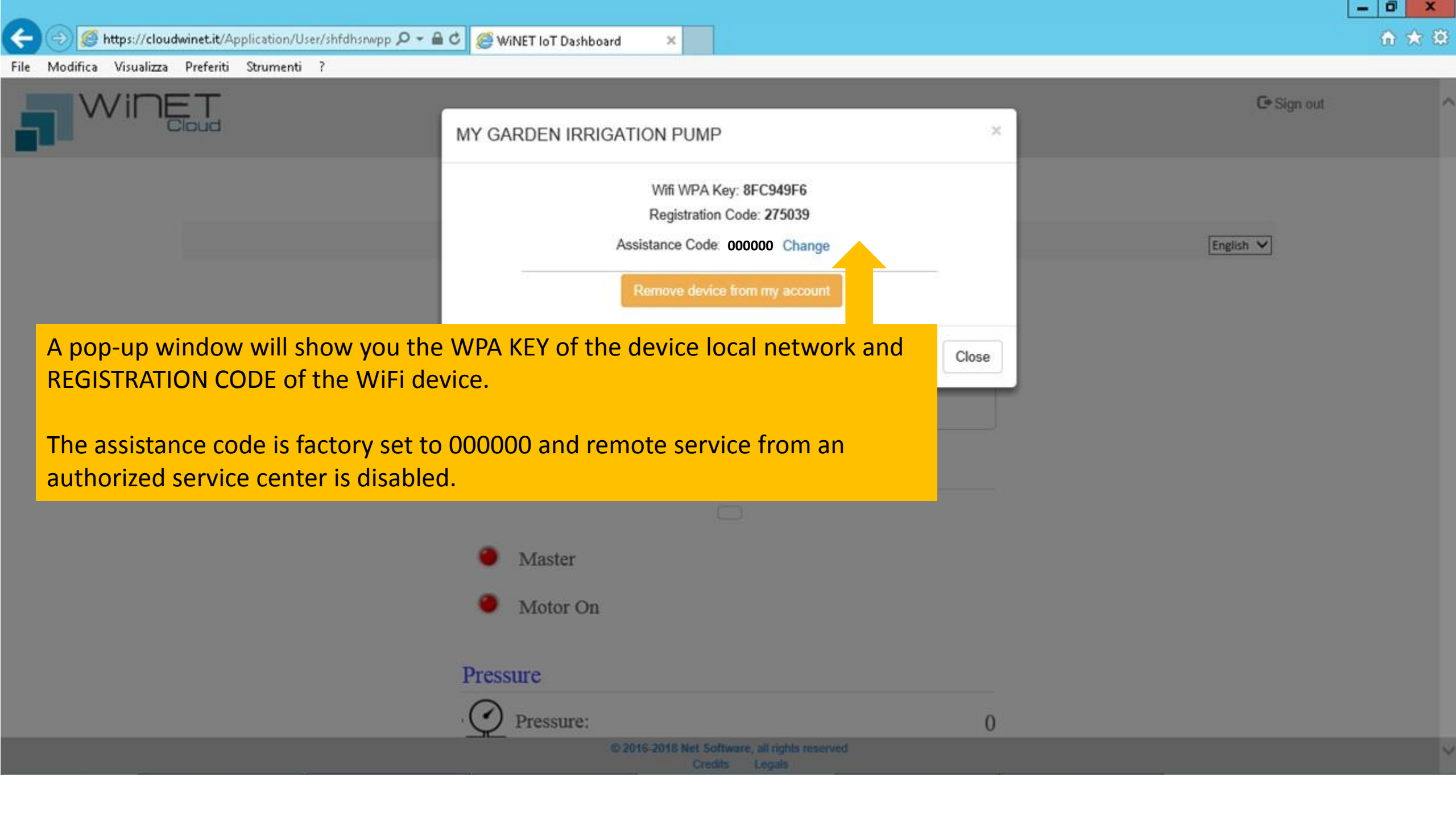
Inverter status

🔴 Master

🔴 Motor On

Pressure

Pressure: 0

File   Modifica   Visualizza   Preferiti   Strumenti   ?

WiNET Cloud

Sign out

MY GARDEN IRRIGATION PUMP

Wifi WPA Key: 8FC949F6

Registration Code: 275039

Assistance Code: 000000 Change

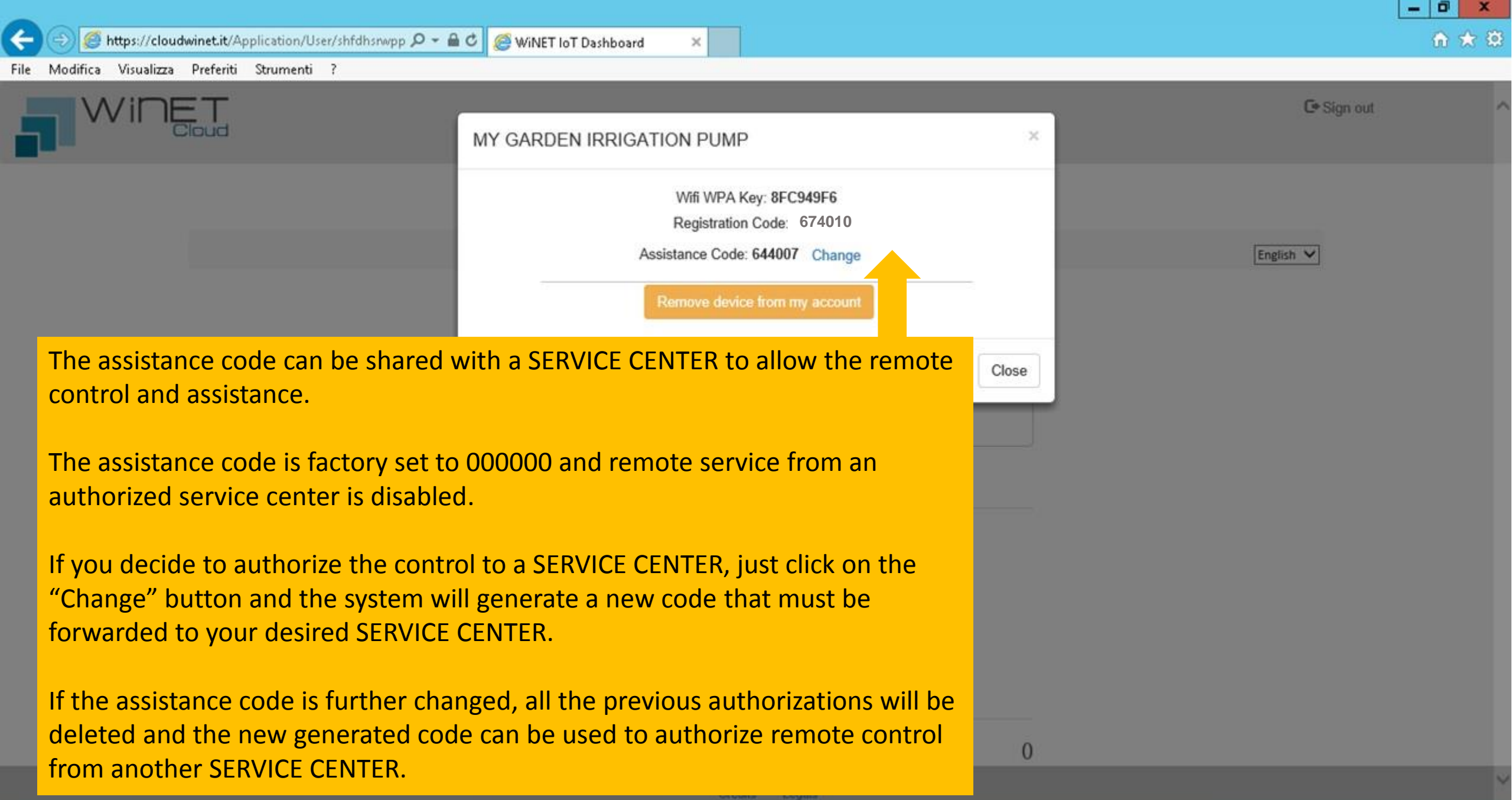Remove device from my account

Close

English

A pop-up window will show you the WPA KEY of the device local network and REGISTRATION CODE of the WiFi device.

The assistance code is factory set to 000000 and remote service from an authorized service center is disabled.

● Master

● Motor On

Pressure

Pressure: 0

Section 3

Supervision from a service center

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WiNET IoT Dashboard

File   Modifica   Visualizza   Preferiti   Strumenti   ?

WiNET
Cloud

Sign out

MY GARDEN IRRIGATION PUMP

Wifi WPA Key: 8FC949F6

Registration Code: 674010

Assistance Code: 644007   Change

Remove device from my account

Close

English

The assistance code can be shared with a SERVICE CENTER to allow the remote control and assistance.

The assistance code is factory set to 000000 and remote service from an authorized service center is disabled.

If you decide to authorize the control to a SERVICE CENTER, just click on the "Change" button and the system will generate a new code that must be forwarded to your desired SERVICE CENTER.

If the assistance code is further changed, all the previous authorizations will be deleted and the new generated code can be used to authorize remote control from another SERVICE CENTER.

0
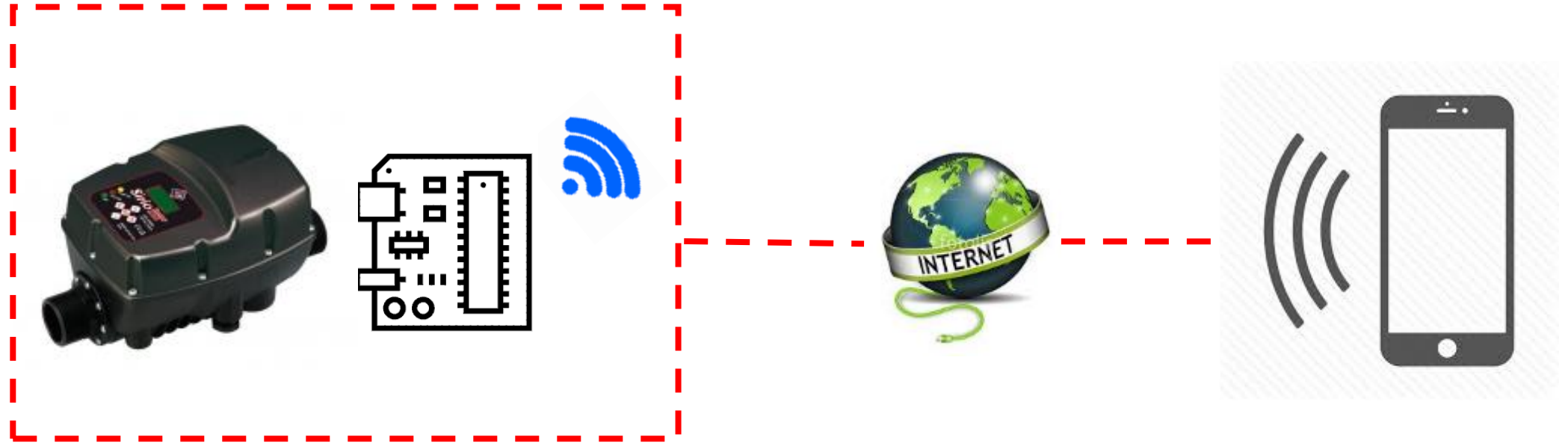
Section 4

Remote management of the inverter

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Italiano

Management   Status   Login   Configuration ▾

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The management page consists of 4 sub-sections that are accessible from the relative buttons on the top bar.

Error log

Advanced parameters setting *

User parameters setting

Device overview and actual status

* Advanced parameters setting is available only to SERVICE CENTERS or when directly connected to the self-generated WiFi network

On the main overview page the actual status of the inverter is shown (STAND-BY/ ON / ERROR).

It's possible to start and stop the pump by pushing the icon above the actual status description.
In case of error, the same icon can be used to restart the drive.

Inverter status

STAND-BY

● Master

● Motor On

Inverter status

ON

● Master

● Motor On

Inverter status

ERROR
E3 - Dry running
Stopped following a pump intake water shortage

● Master

● Motor On

It's possible as well to verify the actual value of functioning variables (Pressure, Voltage, Termperature, I/O status, etc.).
Texts that are shown in grey color represent the maximum allowable value of a variable

Temperatures

Motherboard: 41 °C

IGBT: 33 °C

Pressure

Pressure: 0.0 bar

Set point: 3.0 bar

Aux

🔴 Double Set-point

🟢 External enable

🔴 External error

🔴 Pump pilota active

🔴 Manual adjustment

Frequency

Frequency: 0 Hz

Frequency Max: 50 Hz

Motor current consumption

Voltage: 241 V

Current: 0.0 A

Current Max: 5.5 A

Counters

Power ON: 3 h

Running: 0 h

Pump starts: 8

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Base Parameters

Parameter Selection

0.0 Pmax (set-point) ▼

Parameter value

-   3 BAR +

Refresh

Parameter description

Pressure set-point

![italtecnica logo]

Advanced Parameters

Request login!

Go to login page

In order to change advanced parameters a login is request.

Please contact an authorized SERVICE CENTER

Error Logs

E3 - Dry running   11

Stopped following a pump intake water shortage

E6 - Overload   1

Electric pump absorption exceeds the maximum set current as entered in the Imax value

E11 - Number of maximum starts/hour   1

Maximum number of admissible start-ups per hour has been exceeded

Errors logs tab shows a list of all faults occurred to the inverter.

The number on the right column indicates the number of events for each fault