

# GreenVETAfrica

## Lesson 1.9 Remote Expert Solution, Demo Presentation

Unit 3: Practical Case – Develop the Remote Expert Application for GreenVETAfrica Training

Module 3: Remote Expert Solution for Vocational Technical Training Programmes

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The augmented reality overlay editor consists of a workspace with the target image and a drop menu where you can add virtual elements to the target image



# Instructional Materials

- 1 Mobile app
- 2 Internet
- 3 Laptop, desktop, tablet, or mobile phone
- 4 Real time object



# Instructional Materials

## FEATURE 1

### Digital Information Augmented Where You Need It

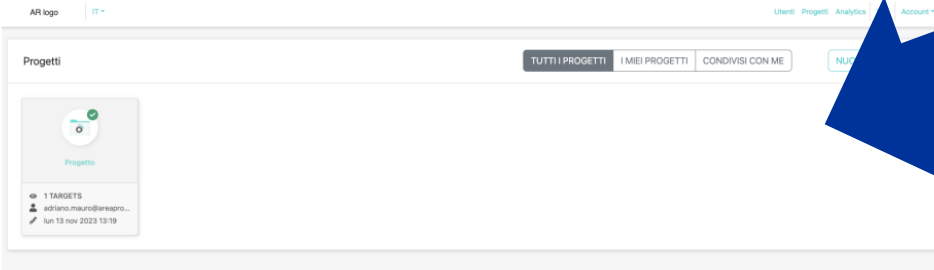
The required manual is augmented and displayed at the exact location on the actual place/facility. Operators can see visual information such as augmented images, videos and texts in front of their eyes and can quickly and accurately complete tasks



# To create a new “PROJECT”

Launch this link from your browser : <http://20.23.121.71:8080/>

**platform website**  
web editor: <http://20.23.121.71:8080/>  
user: [adriano.mauro@areaprototipi.com](mailto:adriano.mauro@areaprototipi.com)  
password: area2023



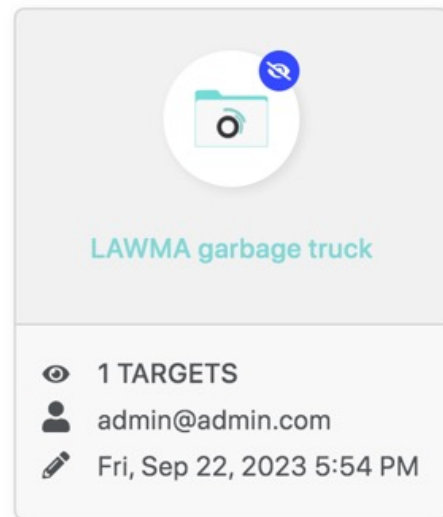
The screenshot shows a web interface with a top navigation bar containing 'AR logo', 'IT', 'Utenti', 'Progetti', 'Analitici', and 'Account'. Below the navigation bar, there is a section titled 'Progetti' with buttons for 'TUTTI I PROGETTI', 'I MIEI PROGETTI', and 'CONDIVISI CON ME'. A 'NUOVI' button is visible on the right. A large blue arrow points from the 'NUOVI' button towards the text in the blue circle on the right.

Click on  
**New Project**  
to create a new  
project

Or you can  
choose to edit  
one already  
created  
previously

**Note:** The blue mark on the new project indicates that the project is not public and not yet accessible to users.

The status of the project is “Draft” in the console

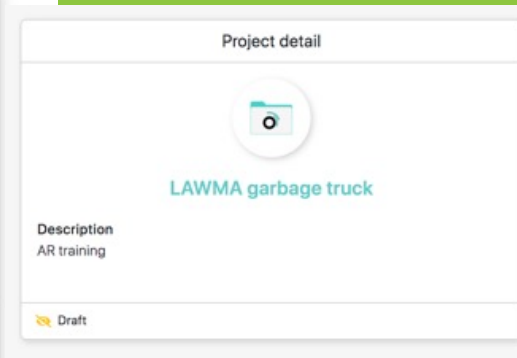


LAWMA garbage truck

1 TARGETS

admin@admin.com

Fri, Sep 22, 2023 5:54 PM



Project detail

LAWMA garbage truck

Description  
AR training

Draft

**Your project will remain in “draft” till you publish it once completed**

In the previous screen if you click on one of the projects, you can edit it again

AR logo | IT | Project POWER EXCHANGER | Users | Projects | Analytics | EN | Account

Targets

ALL PUBLISHED DRAFT NEW TARGET

bulb-01

B REPLACEMENT

Steps: 0 Draft

Steps: 0

To edit it again you must click on the photo and select **OPEN CREATOR**

Project detail

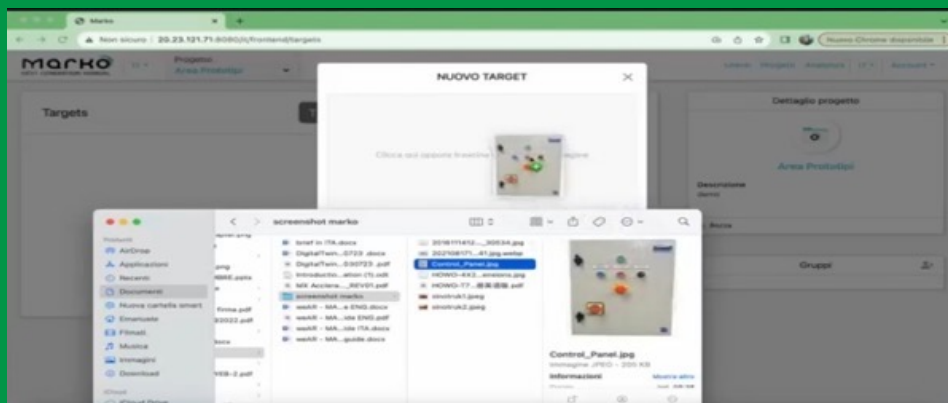
POWER EXCHANGER

Description  
Replacing component=light bulb

Published

Groups

MRK\_ALL



## To add target image to the project:

Click on the new project

A new screen will appear containing several information

Click on the new target button

Another screen will appear that gives you access to the data on your pc

Select your target image

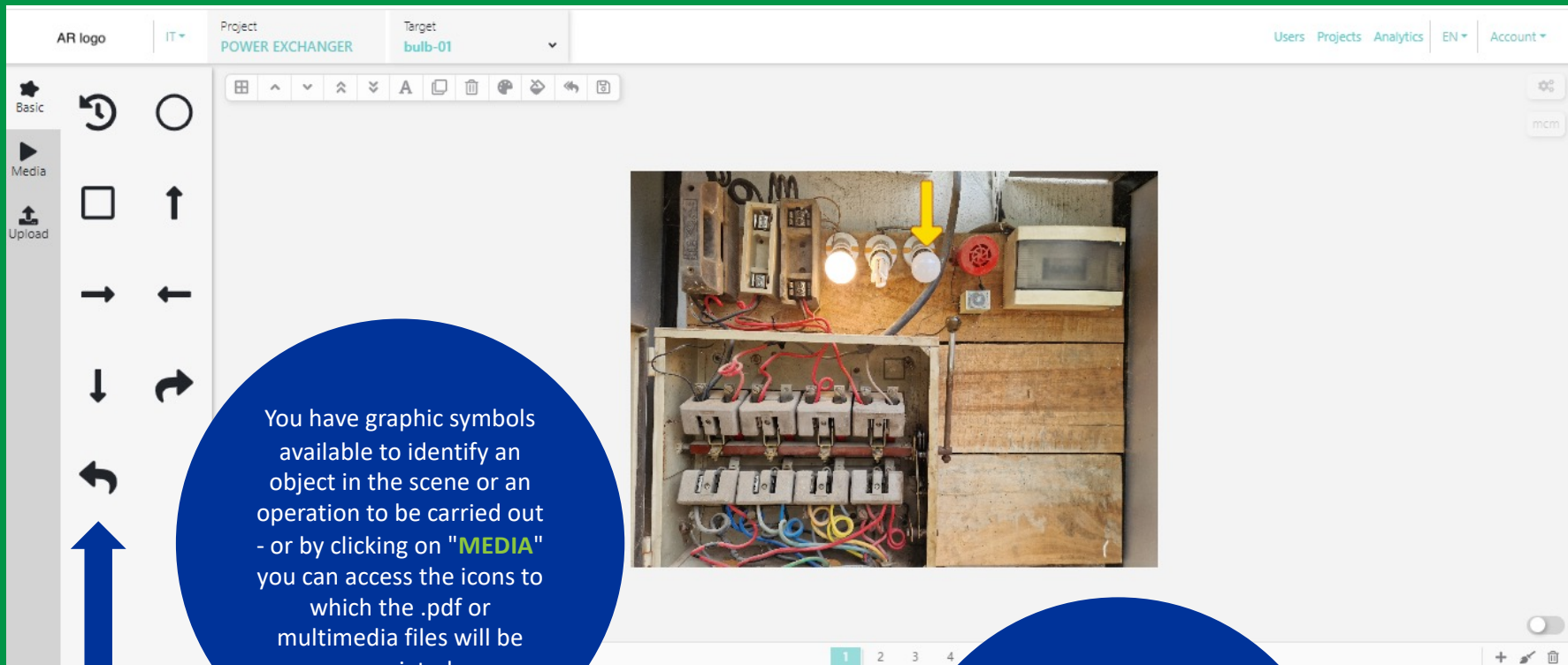
Drag and drop selected image to the designated space

You must give the target image a unique name

Once given the unique name, the system will notify you of a new target creation

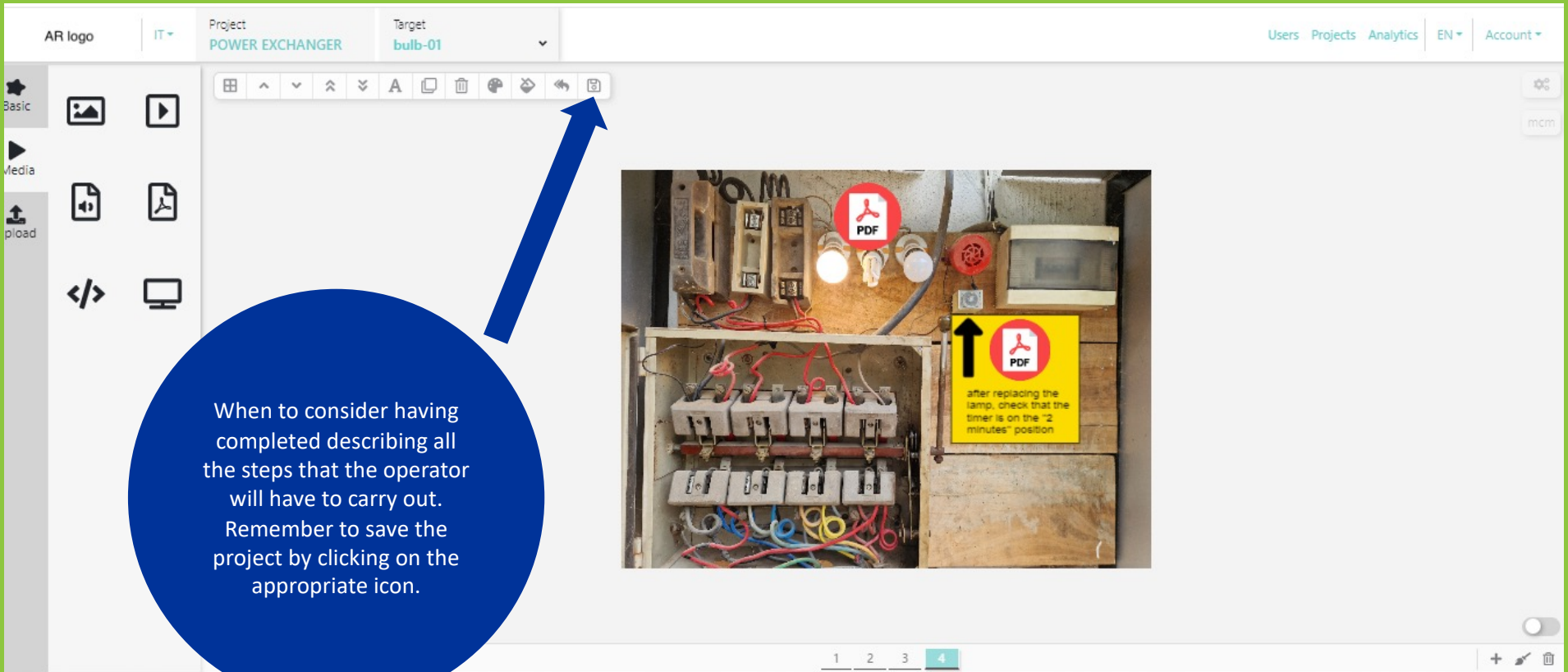
A screenshot of the 'NEW TARGET' dialog box. The dialog has a title bar with 'NEW TARGET' and a close button. The main area contains a large dashed-line box with the text 'Click here or drag and drop an image'. Below this is a text input field with the placeholder text 'Insert a name for this target \*'. At the bottom of the dialog is a light blue button labeled 'CONFIRM'.





You have graphic symbols available to identify an object in the scene or an operation to be carried out - or by clicking on "**MEDIA**" you can access the icons to which the .pdf or multimedia files will be associated.

The various steps of the sequence you want to create appear here



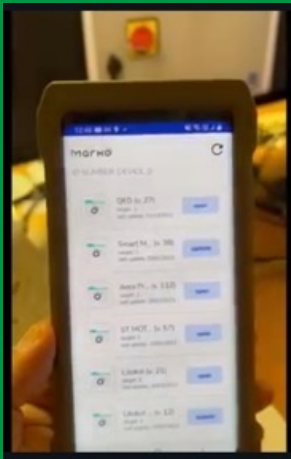
When to consider having completed describing all the steps that the operator will have to carry out. Remember to save the project by clicking on the appropriate icon.

By moving to the MY PROJECTS section, you will access the archive of all published projects to which field or back-end operators who are granted access rights can have access

Projects

ALL PROJECTS MY PROJECTS SHARED WITH ME NEW PROJECT

Project Name	Number of Targets	User(s)	Creation Date
Progetto	1 TARGETS	adriano.mauro@areapro...	Mon, Nov 13, 2023 1:19 ...
BOT 01	1 TARGETS	adriano.mauro@areapro...	Mon, Feb 5, 2024 3:58 PM
TestScheda	2 TARGETS	stefano@wear-mobile.co...	Thu, Feb 8, 2024 10:40 AM
testlogo	1 TARGETS	stefano@wear-mobile.co...	Wed, Feb 14, 2024 9:06 ...
Test	1 TARGETS	stefano@wear-mobile.co...	Thu, Feb 15, 2024 8:40 AM
RAZOR-01	2 TARGETS	adriano.mauro@areapro...	Fri, Feb 23, 2024 3:32 PM
OMEGA-00	1 TARGETS	adriano.mauro@areapro...	Fri, Feb 23, 2024 5:04 PM
POWER EXCHANGER	2 TARGETS	adriano.mauro@areapro...	Sun, Feb 25, 2024 7:17 PM



**Launch the Remote Expert Mobile App on your phone/tablet, you will see the projects accessible to that user**

Select the desired project and aim the phone/tablet at the real object

Augmented reality overlays will appear

Select the steps in the menu at the bottom of your screen

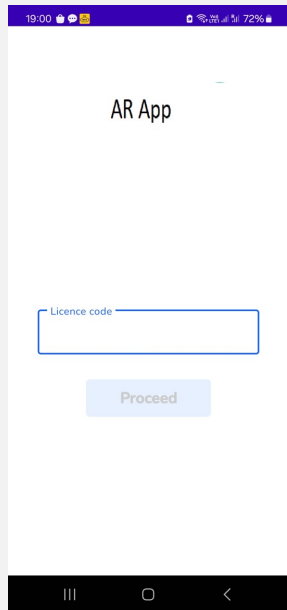
Click on the overlays to access any associated file

**Check your project on the mobile App before sharing it with your field technicians or students.  
Make the required changes on the backend platform as often as you need.**

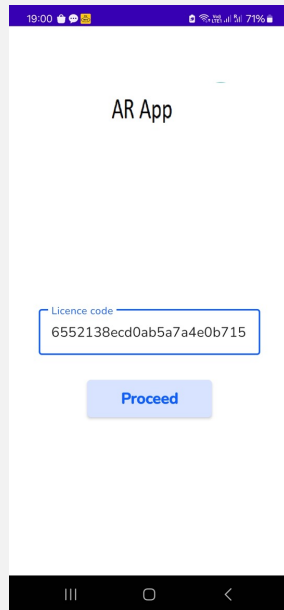
# How to Open the APP from the front end



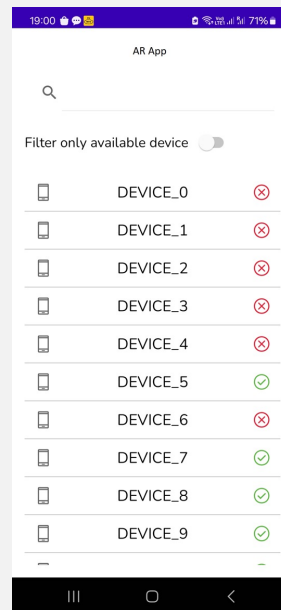
## STEP 1



## STEP 2



## STEP 3



After downloading the app in the link:

<https://drive.google.com/file/d/1RUo-NiwXWwCmXHCAWjTtQhIhwf-QuNEC/view?usp=sharing>

after carrying out the installation and giving consent for the App to use your device's camera.

# How to Launch the App

By accessing the link

<http://20.103.5.177:3000/>

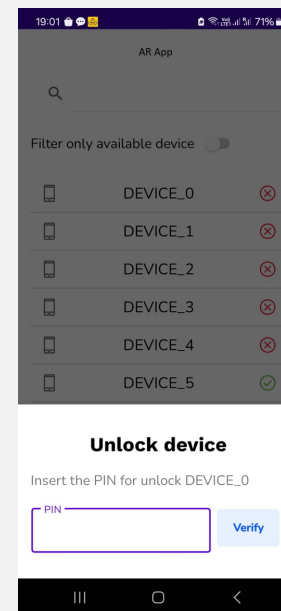
we will open the list of available PINs to associate with your device.

• choose a DEVICE\_ID and insert PIN

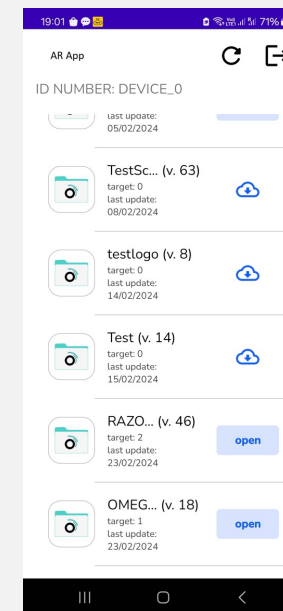
choose a free device ID!



## STEP 4



## STEP 5



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Front Europe to Africa



# GreenVETAfrica

## *Thank you*



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