

Solutions

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List of Solutions

Instructions for Using the "Solutions" Tab

Browsing Solutions

1. **Access the Marketplace:**

Go to the product menu on the DBR77 platform and select the "Marketplace."

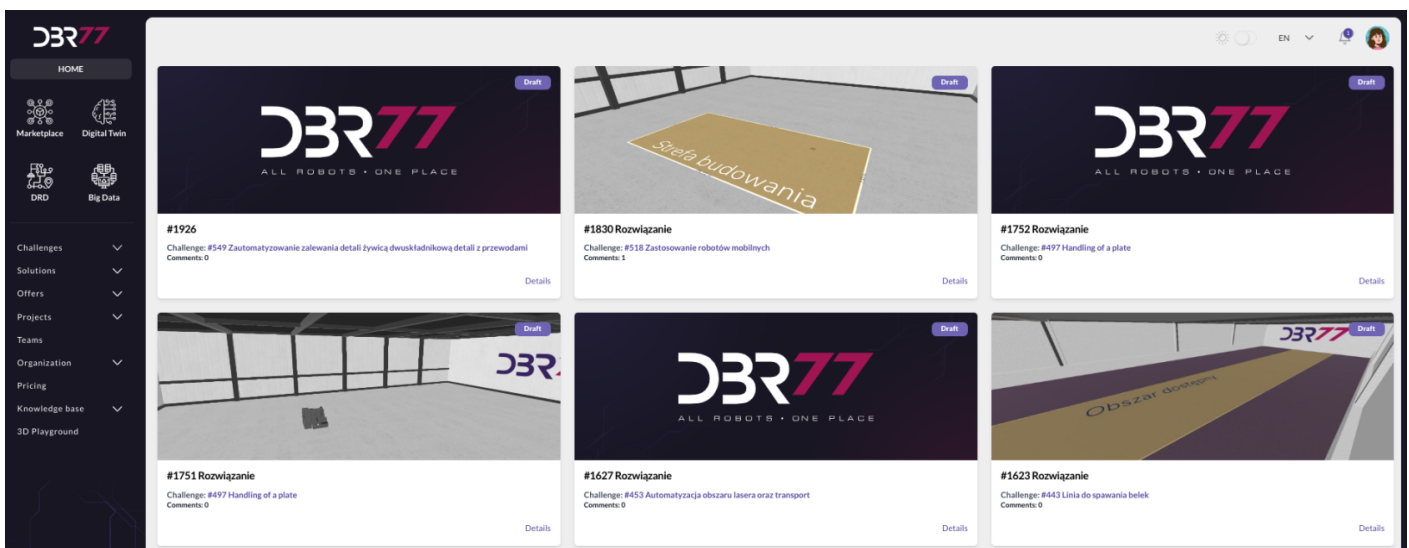
2. **Navigate to "Solutions":**

Click on the "Solutions" tab.

3. **Choose an Option:**

Select one of the two available options:

- **All**
- **Archived**



User Panel Overview

The main screen displays the user panel of the DBR77 platform, listing:

- Solutions published by the user.
- Solutions related to the user's projects.

Solution List Overview

The central area shows a list of solutions, including:

- **Solution Number:**
Example: #1926, #1830, along with the associated challenge (e.g., #549, #518).
- **Solution Status:**
Current status of the solution.
- **Comments:**
The number of comments for each solution is displayed.

Accessing Solution Details

Each solution includes a "**Details**" button, which provides access to detailed information about the specific solution.

Adding a New Solution

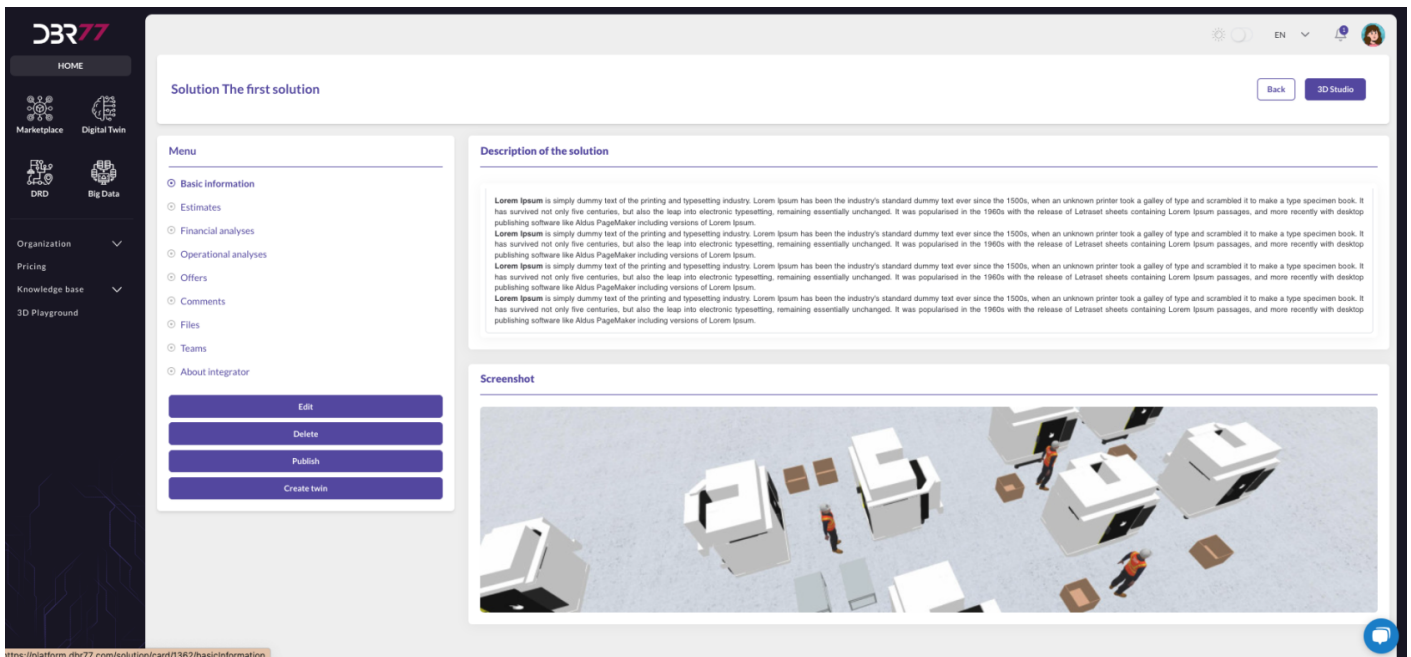
Editing a Solution

Solution Details

Instructions for Viewing Solution Details on the DBR77 Platform

Navigate to the "Solutions" Tab

1. **Access the Marketplace:** Go to the product menu on the DBR77 platform and select the "Marketplace".
2. **Open the "Solutions" Tab:** Click on the "Solutions" tab and select "All".
3. **Select a Solution:** Choose a solution from the list and click on "Details".



Solution Detail View

The detail view for the solution, such as "*The First Solution*", is displayed in the main area of the DBR77 platform.

Main Area Layout

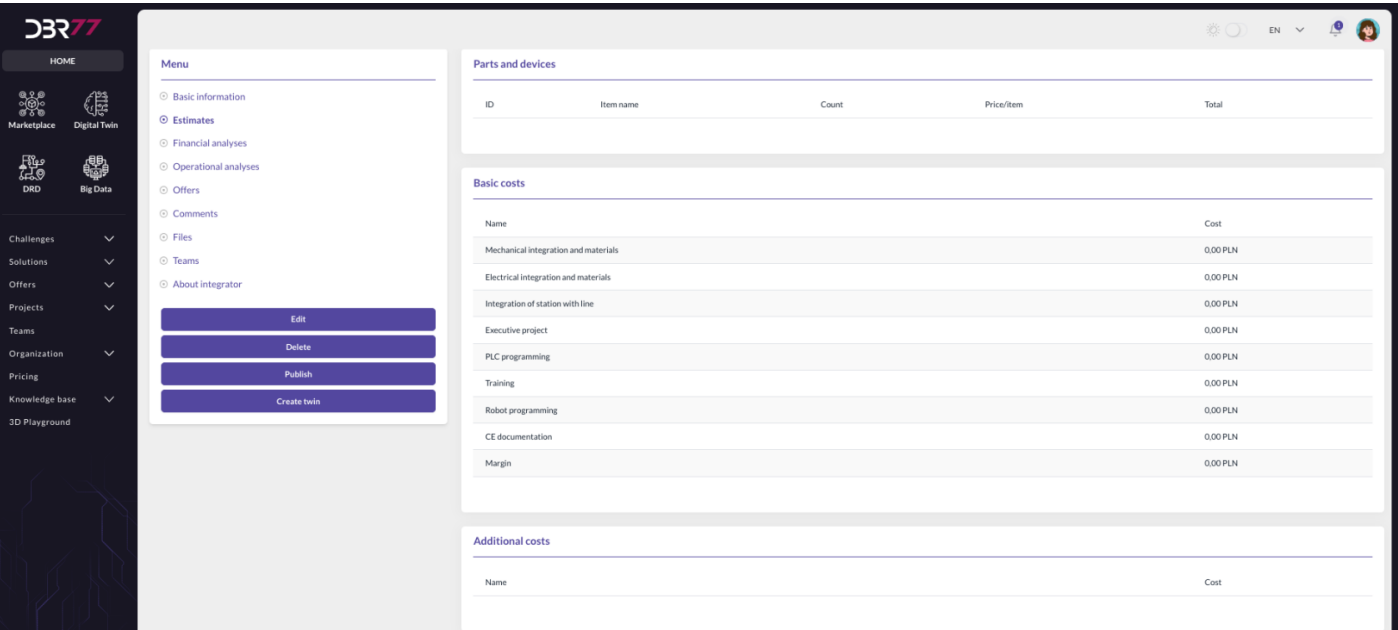
The main area is divided into two panels:

1. **Solution Description:** A text field containing the solution's detailed description.
2. **Screenshot:** Below the description, a visualization or simulation of the solution's functionality is displayed.

Navigation Menu

On the left side of the screen, a navigation menu provides the following tabs for the selected solution:

- **Basic Information:** Includes the solution's name, description, and 3D Studio view.
- **Cost Estimate:** Displays all calculations created in the 3D Studio.



- **Financial Analysis:** Presents a financial analysis based on data from the technological challenge and the solution.

HOME

Marketplace

Digital Twin

DRD

Big Data

Challenges

Solutions

Offers

Projects

Teams

Organization

Pricing

Knowledge base

3D Playground

Solution The first solution

Back 2D Studio

Menu

- Basic information
- Estimates
- Financial analyses
- Operational analyses
- Offers
- Comments
- Files
- Teams
- About integrator

Edit

Delete

Publish

Create twin

Financial analyses

| | Before investment | After investment | Change |
|-----------------------------------------------------|-------------------|------------------|------------|
| Hourly labor cost per person | 28.13 PLN | 28.13 PLN | % |
| Work cost per year | 524160.00 PLN | 574560.00 PLN | 9.6 % |
| Work cost per piece | 1.37 PLN | 1.47 PLN | 7.3 % |
| Monthly workstation service cost reduction (people) | | | -4200 PLN |
| TKW reduction per piece | | | -0.10 PLN |
| Annual financial savings (additional gross profit) | | | -50400 PLN |

Capex

0 PLN

Annual financial savings (additional gross profit)

12 %

Analysis period (in years)

5

| | |
|--------------------------------------|-------------|
| Average monthly savings | -4200 PLN |
| Simple payback period (in years) | 0 |
| Discounted payback period (in years) | 0 |
| NPV | -181681 PLN |
| ROI | -Infinity % |

- Operational Analysis:** Provides an operational analysis based on data from the technological challenge and the solution.

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Before investment

After investment

Change

Available time (min)

499200

505200

1.2 %

Production time (min)

447200

458200

2.5 %

Production (min)

402480

412380

2.5 %

Good pieces production time (min)

382356

391761

2.5 %

AR - Availability ratio

89.6 %

90.7 %

1.2 %

PR - Productivity ratio

90.0 %

90.0 %

0.0 %

QR - Quality ratio

95.0 %

95.0 %

0.0 %

OEE

76.6 %

77.5 %

1.2 %

Production volume

11470680.0

11752830.0

2.5 %

PPH per person per shift

5514.8

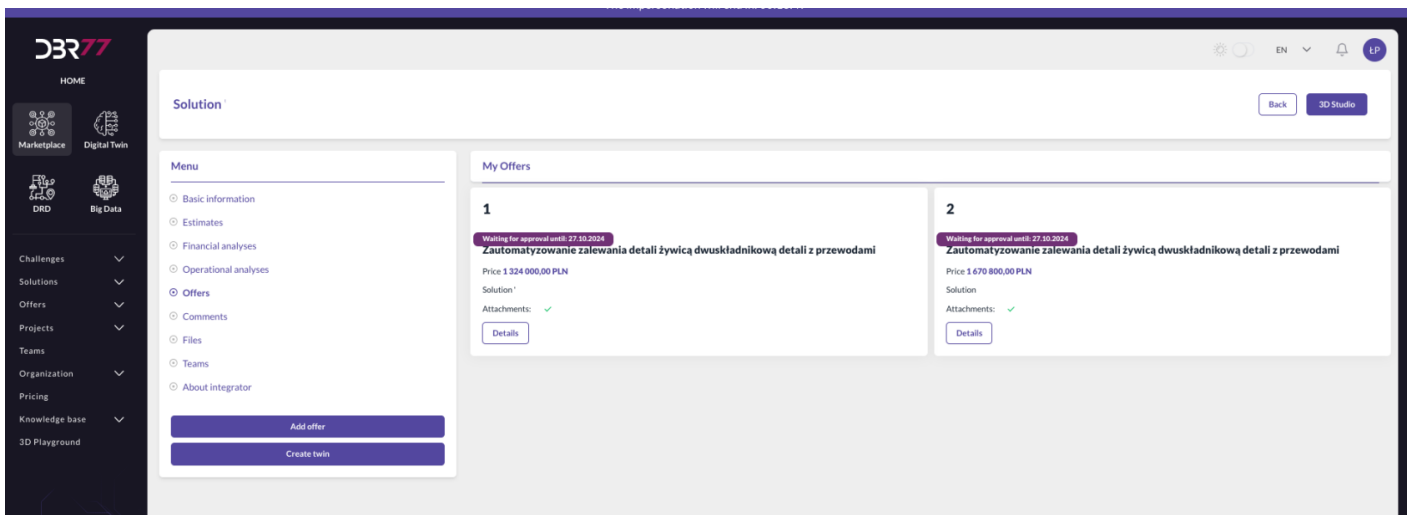
5154.8

-6.5 %

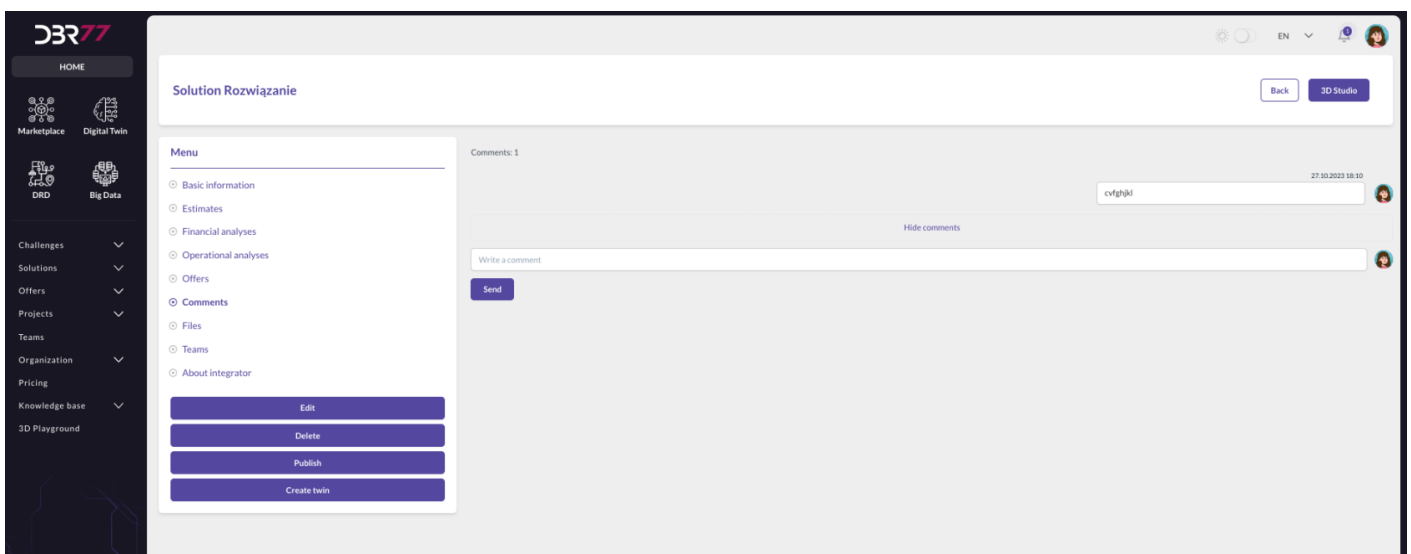
Production increase in pieces

282150.00

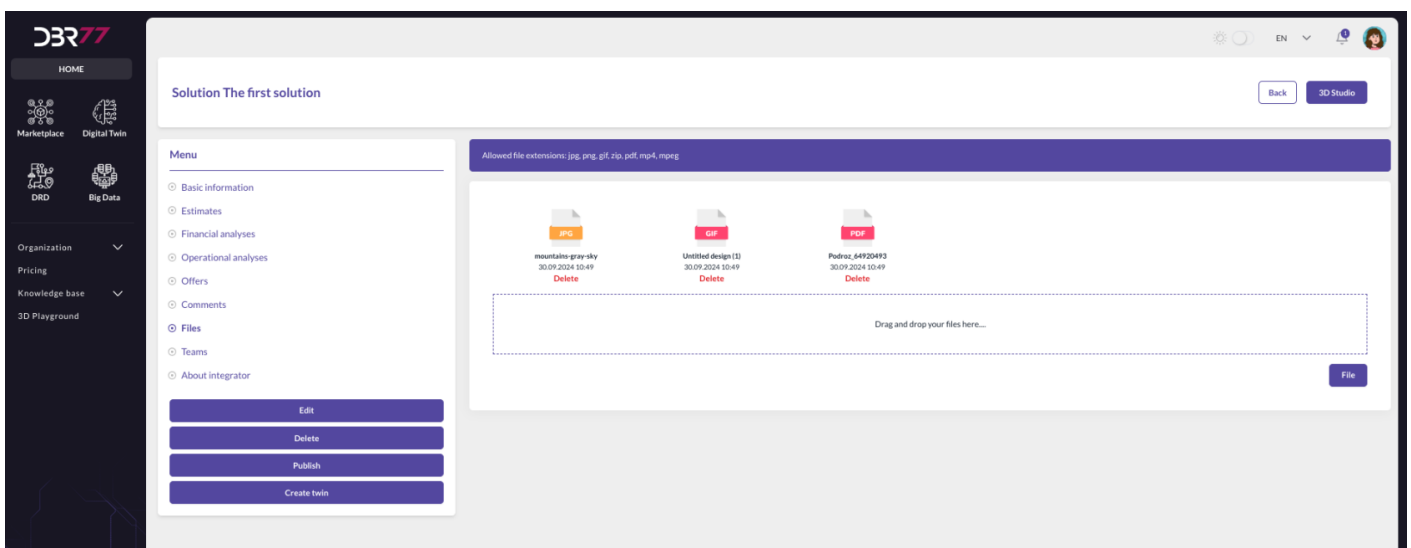
- Offers:** Lists all offers added to the selected solution.



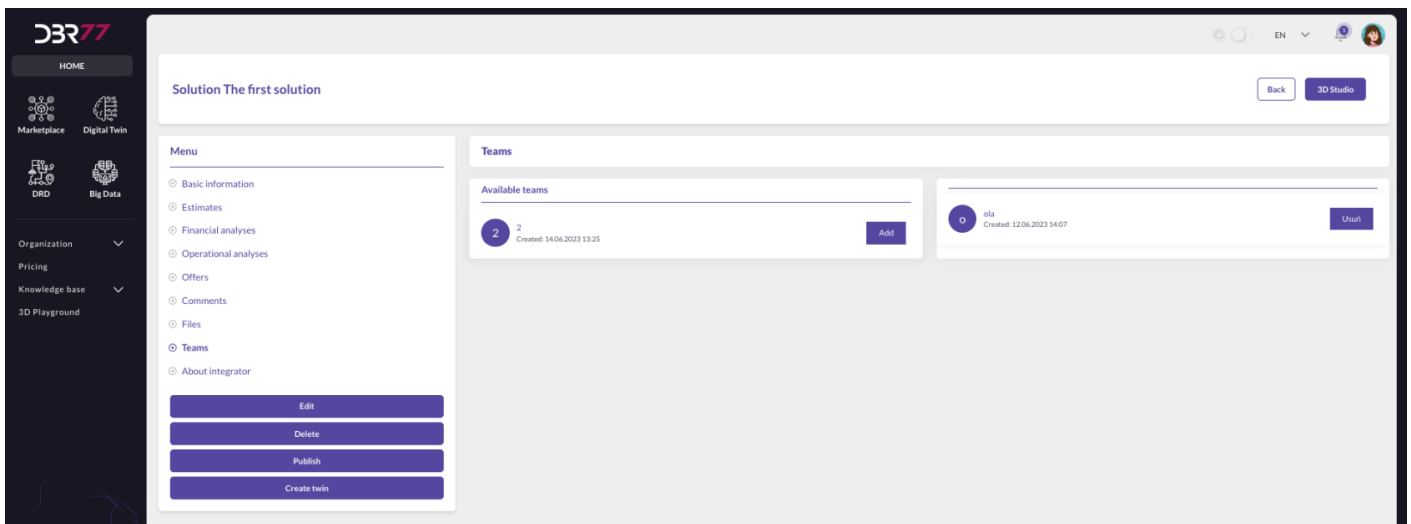
- **Comments:** Shows comments associated with the solution.



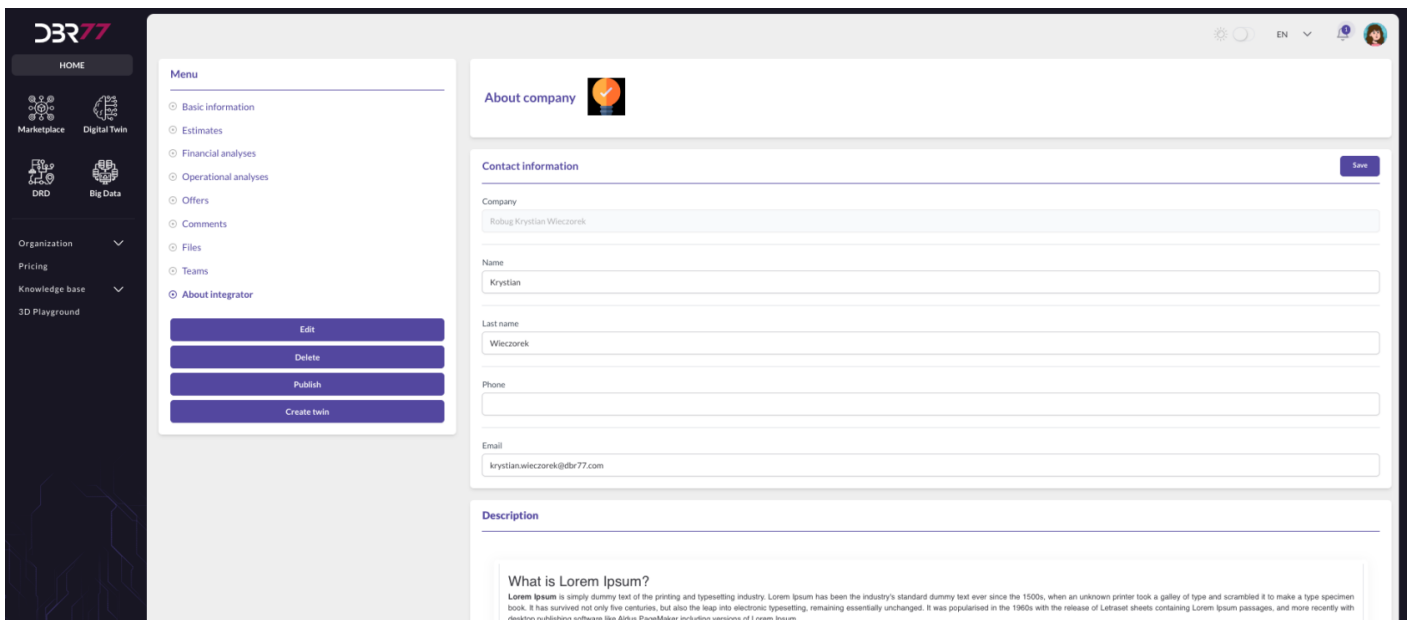
- **Files:** Contains files uploaded by the solution author, which can be added at any time.



- **Teams:** Allows the addition of teams to the selected solution.



- **About the Integrator:** Displays the integrator's portfolio, which can be managed in the **Organizations -> About the Company** section.



Action Buttons

At the bottom of the screen, several action buttons are available:

- **Edit:**
Enables editing the solution's information.
- **Delete:**
Removes the solution.
- **Publish:**
Makes the solution accessible to other users.
- **Create Twin:**
Generates a digital twin based on the solution.

Additional Options

- **Back Button:**

Located on the right side, it allows returning to the previous screen.

- **3D Studio Button:**

Opens the 3D editor for visualizing and editing the solution.

These features ensure efficient navigation and management of solution details on the DBR77 platform.

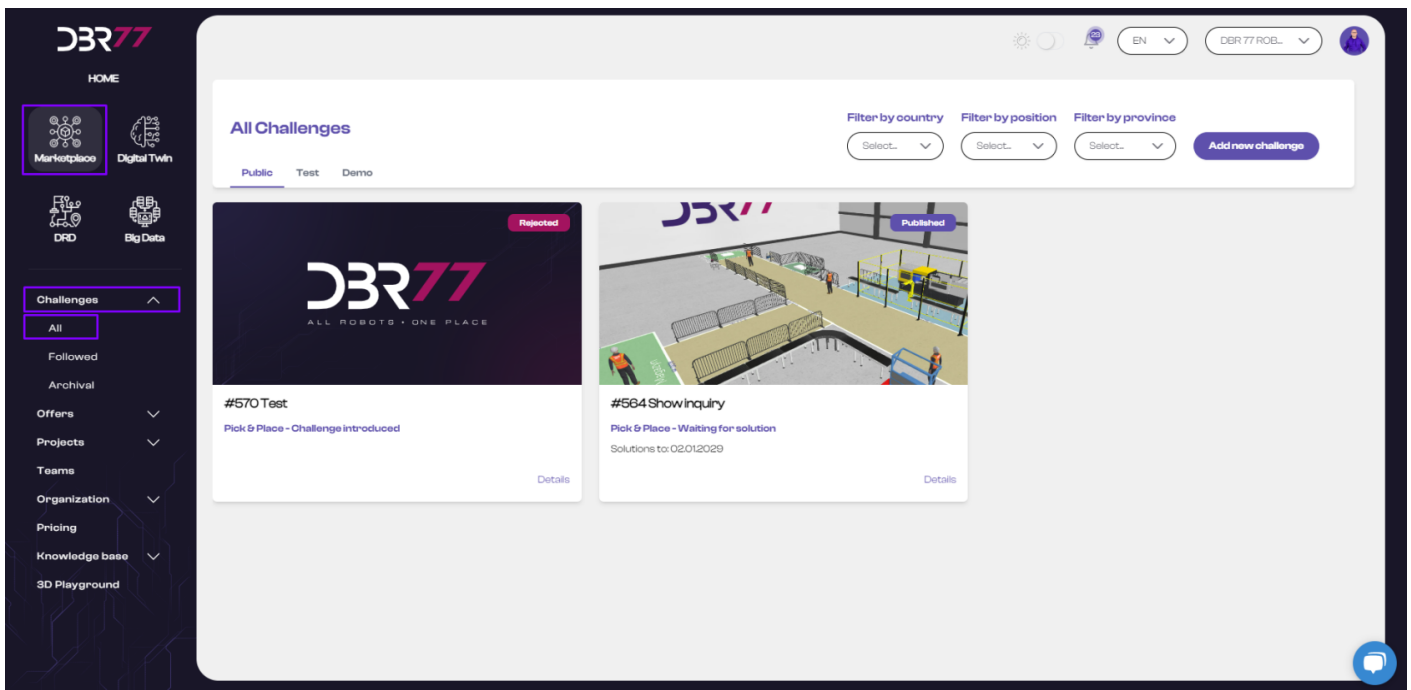
Publishing a Solution

Accepting a Solution on the DBR77 Platform

Navigate to the "Challenges" Tab

1. Access the Marketplace:

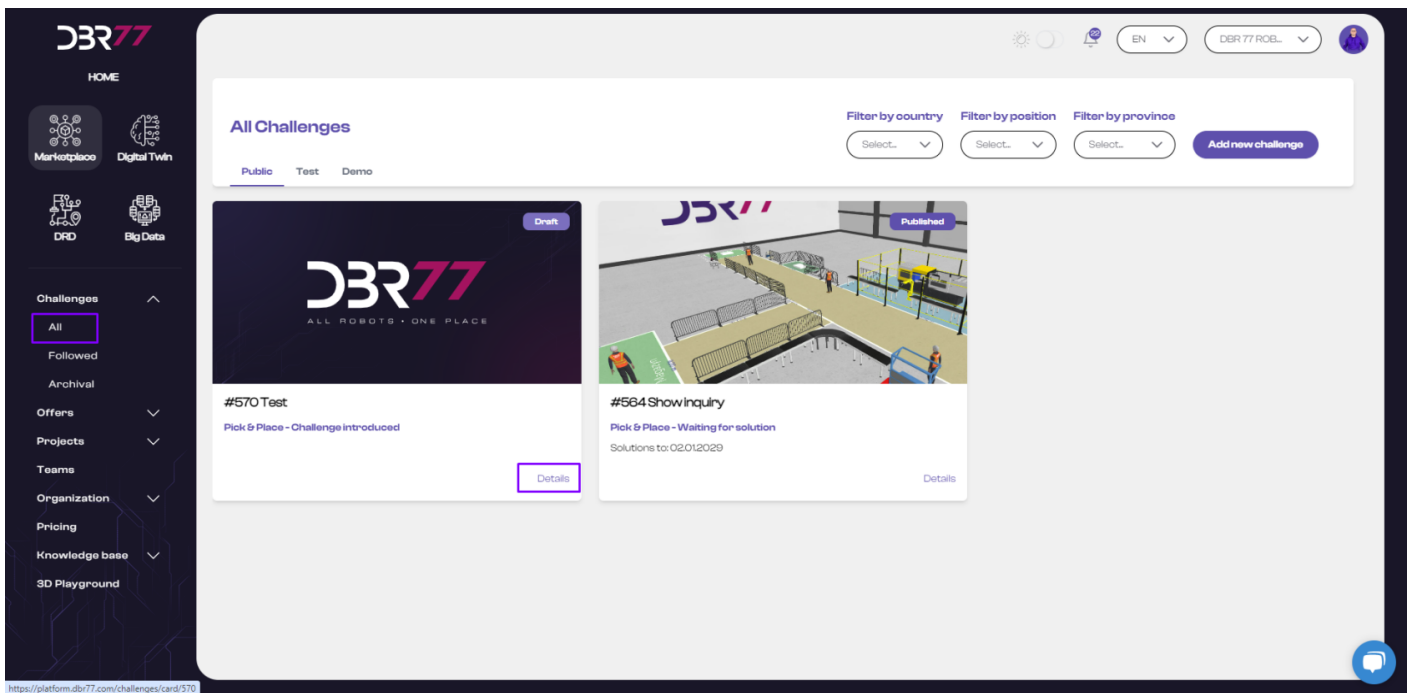
- Open the "**Marketplace**" from the product menu on the DBR77 platform.
- Select the "**Challenges**" tab and click on "**All**".



Go to Challenge Details

1. View Challenge Details:

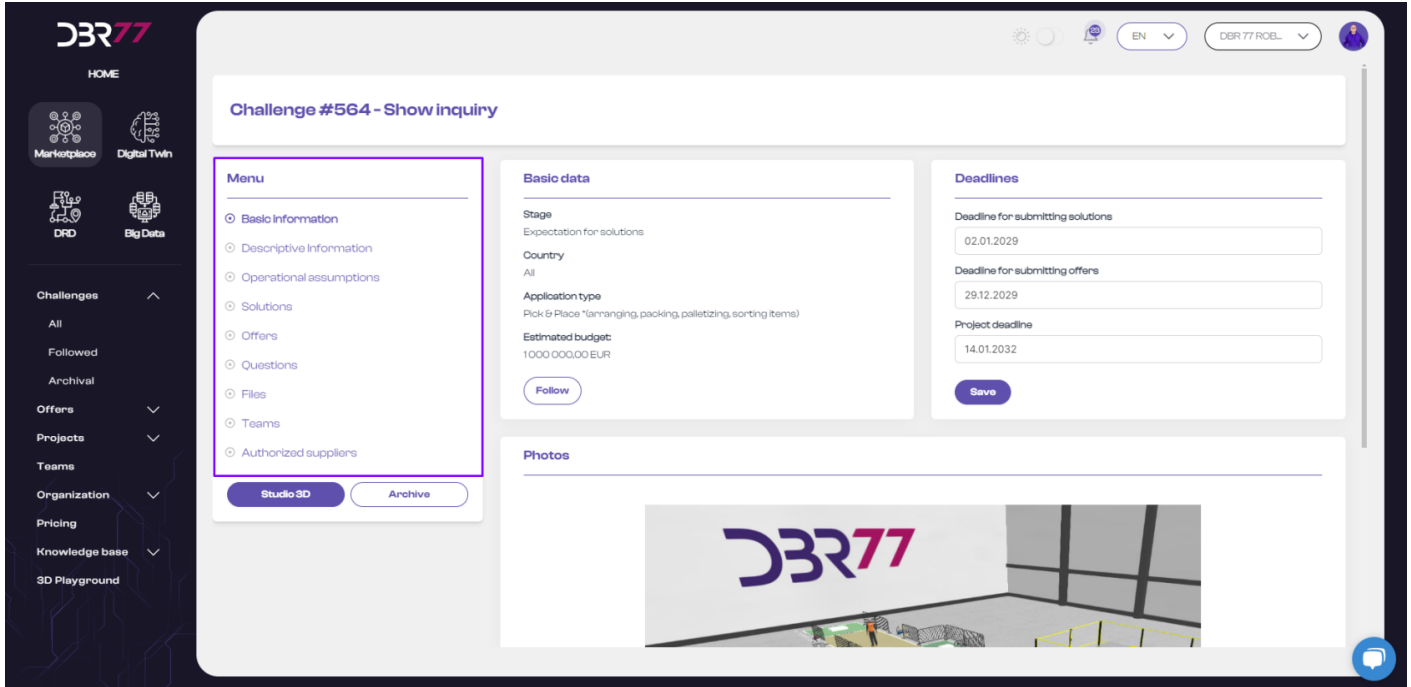
- Locate the challenge associated with the solution you want to accept.
- Open the **details** of the selected challenge.



Challenge Card

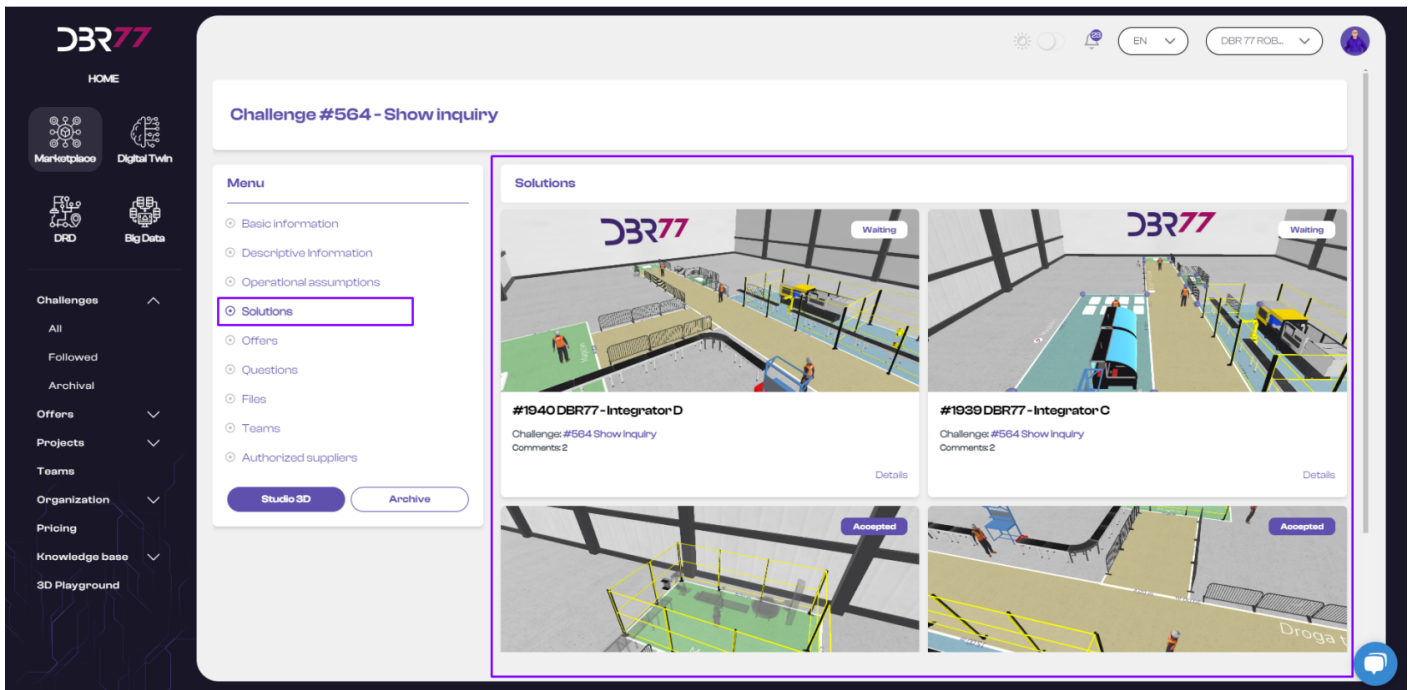
1. Access the "Solutions" Section:

- Use the **navigation menu** within the challenge details view.
- Click on the **"Solutions"** tab to see proposals submitted for this challenge.



Solutions Overview

- **Description:** This section displays solutions submitted by integrators, including implementation approaches and innovative methods.
 - **Investors:** See all solutions submitted to their challenge request.
 - **Integrators:** Only have access to their own solutions; solutions are not visible to other integrators.



Accept a Solution

1. **Open Solution Details:**
 - Locate the desired solution and click on "**Details**".
2. **Accept the Solution:**
 - On the solution card, click the "**Accept**" button to confirm the selection.

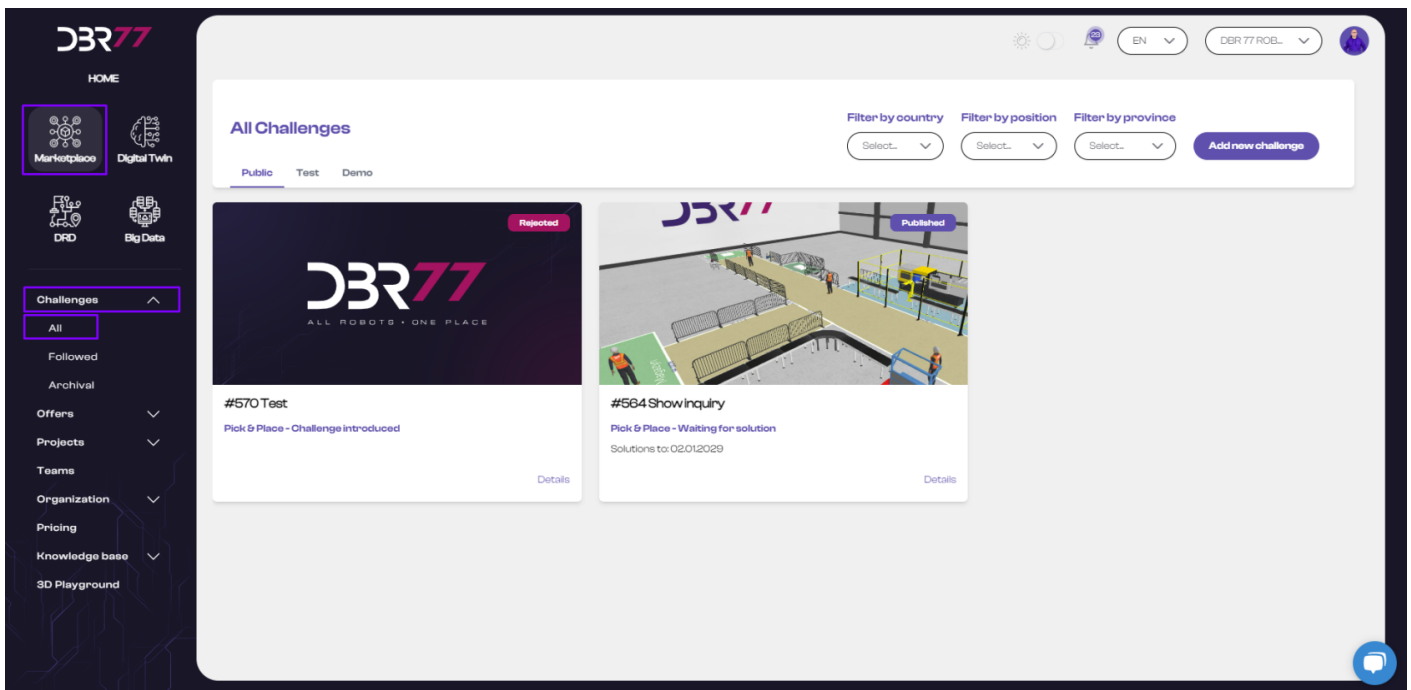
This process ensures efficient communication and selection of the most suitable solution for your challenge.

Rejecting a Solution on the DBR77 Platform

Navigate to the "Challenges" Tab

1. Access the Marketplace:

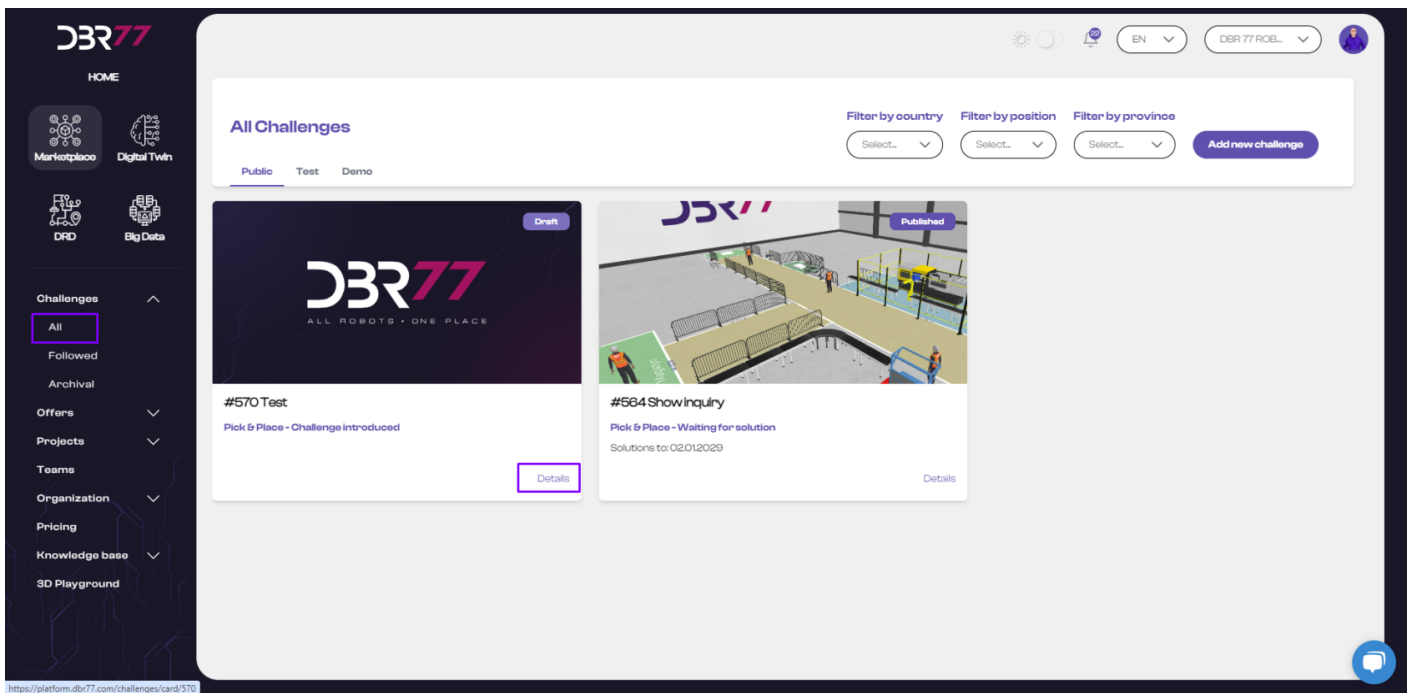
- Open the "**Marketplace**" from the product menu on the DBR77 platform.
- Select the "**Challenges**" tab and click on "**All**".



Go to Challenge Details

1. View Challenge Details:

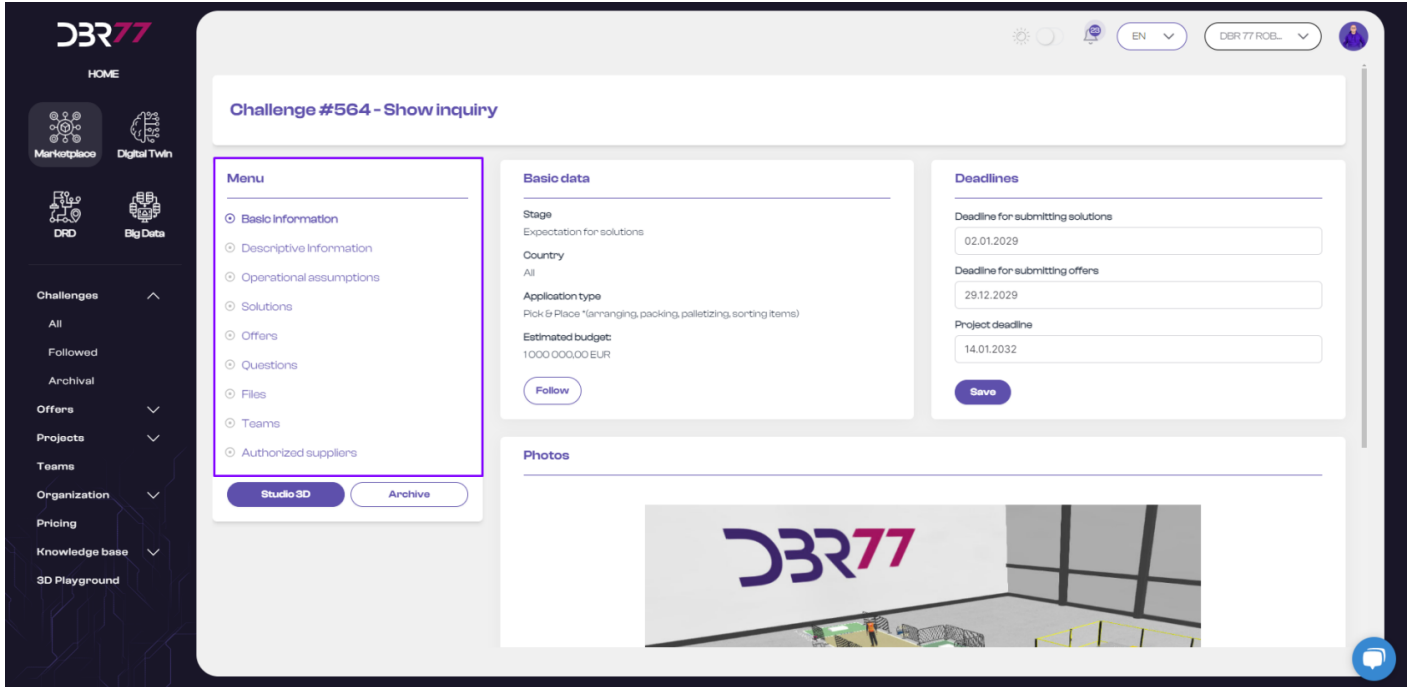
- Locate the challenge associated with the solution you wish to reject.
- Open the **details** of the selected challenge.



Challenge Card

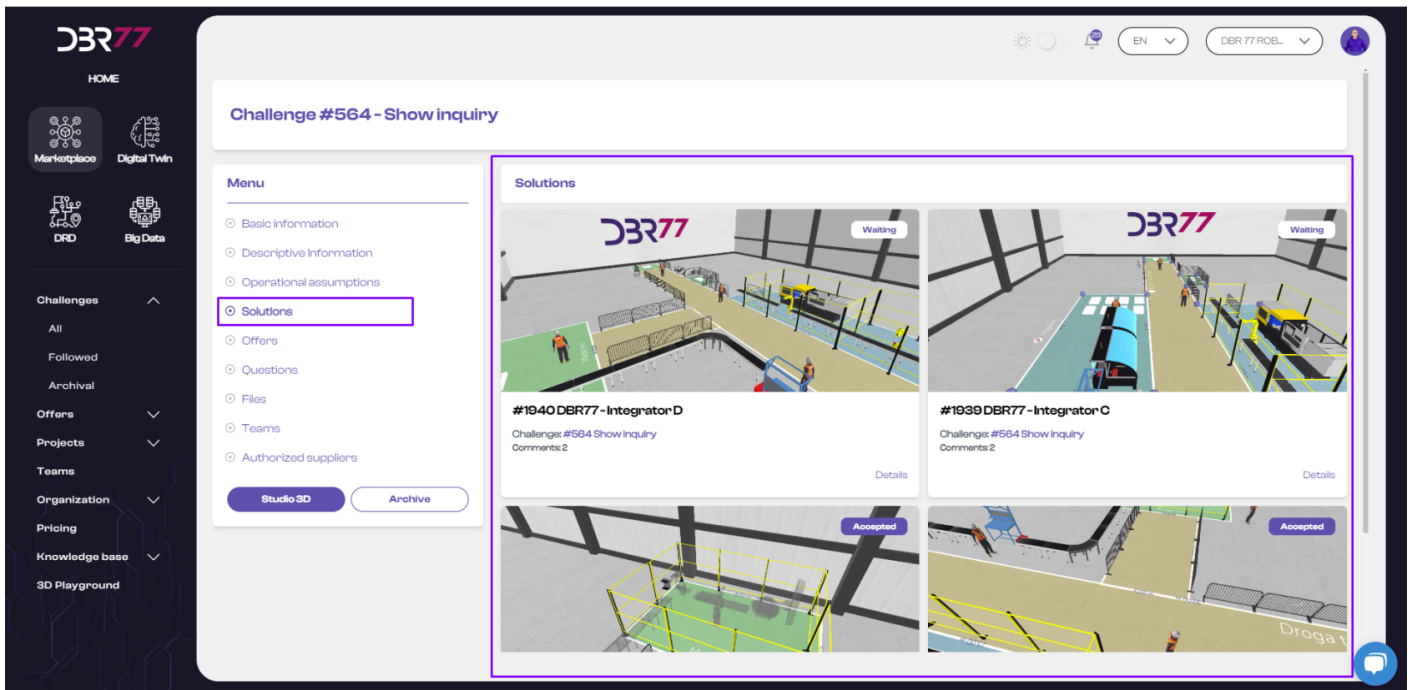
1. Access the "Solutions" Section:

- Use the **navigation menu** within the challenge details view.
- Click on the **"Solutions"** tab to view all proposals submitted for the challenge.



Solutions Overview

- **Description:** Integrators present solution proposals, including implementation strategies and innovative approaches.
 - **Investors:** See all solutions submitted for their challenge request.
 - **Integrators:** Only have access to their own solutions, which are not visible to others.



Reject a Solution

1. **Open Solution Details:**
 - Locate the solution you wish to reject and click on "**Details**".
2. **Reject the Solution:**
 - On the solution card, click the "**Reject**" button to decline the proposal.

This process ensures clear communication and proper management of submitted solutions.

Introduction – Solutions

Solutions on the DBR77 Platform are a key component of its ecosystem, enabling industrial companies to adopt modern technologies for automation and robotics. The platform connects manufacturing companies with integrators, offering a wide range of innovative solutions tailored to specific technological challenges.

Purpose of Solutions

- **Addressing Needs:**
Provide companies access to the latest technological solutions that meet their specific challenges.
 - **Collaboration with Integrators:**
Enable integrators to present and implement their solutions in manufacturing companies.
 - **Process Optimization:**
Facilitate the modernization of production systems and the adoption of new technologies to increase efficiency and competitiveness.
-

Key Features

- **Solution Presentation:**
Integrators can showcase their technological solutions on the DBR77 Platform.
 - **Challenge Matching:**
Solutions are matched to the technological challenges reported by manufacturing companies.
 - **Expert Support:**
DBR77 experts assist companies in selecting and implementing the most appropriate technologies.
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Benefits of Using Solutions

- **Access to Advanced Technologies:**
Companies can leverage the latest technological solutions available on the market.
- **Faster Implementation:**
Collaboration with integrators enables rapid adoption of new technologies.

- **Cost Reduction:**

Optimized production processes lead to cost savings and increased efficiency.

Registration Fee Information

- **Project Fee:**

The DBR77 Platform charges 5% of the project value from the integrator after a contract for implementation is signed between the Investor and the Integrator.