1. Welcome

This book is the User Guide of **Orion's Connectivity Test**

Basic Information

Name	**Orion Connectivity Test**
Description	**Connectivity Guide**

About This Book

This book is the user documentation for Orion Connectivity test. It contains all the information a target user may need.

Target Audience

The book is for all users of the product.

How to Read This Book

If you do not know anything about the product and would like to learn, read the book from cover to cover. If you came here for a specic information, feel free to switch between pages as necessary.

Related Books

Insert the `UuProductCatalogue.Bricks.ProductList` component, which will list books related to this product.

Book Discussion

Insert the `Plus4U5.UuForum.Discussion` component.

2. Connectivity Guide

Automatically generated table of contents.

- Welcome
- Connectivity Guide
  - JAO and MP Onboarding
    - Create MPUsers and Send Invitations
    - Accept Invitation and Log In
    - Submit Bid via API
    - Open Auction Detail

2.2.2 Create MP Users and Send Invitations

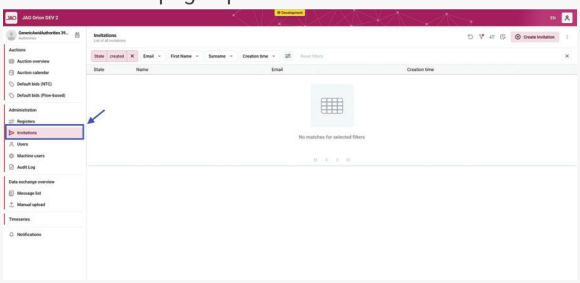
This page describes how an **MP Administrator** creates new users within their organization and sends them invitations. The entire process is handled through a single wizard — after confirming the user details, the system automatically sends an invitation to the specified email address.

Steps

Prerequisite: You are logged in as an **MP Administrator**.

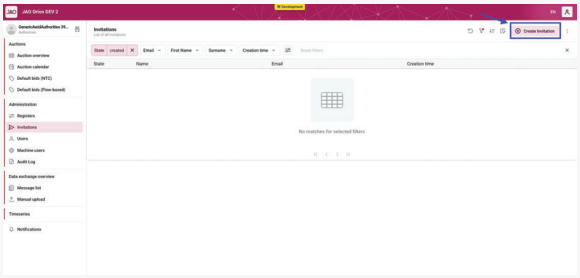
1 Navigate to Invitations

1. In the left sidebar menu, locate the **Administration** section.
2. Click **Invitations**.
3. The **Invitations** page opens.

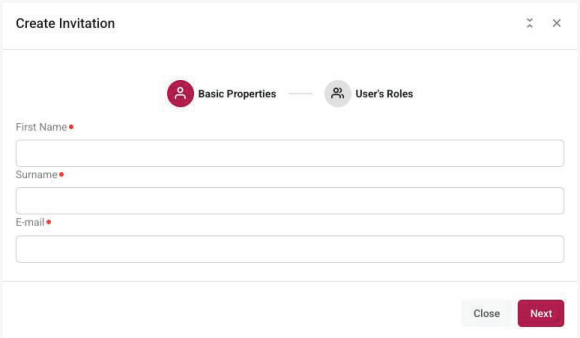


2 Open the Invitation Wizard

1. Click the **Create** button at the top of the page.



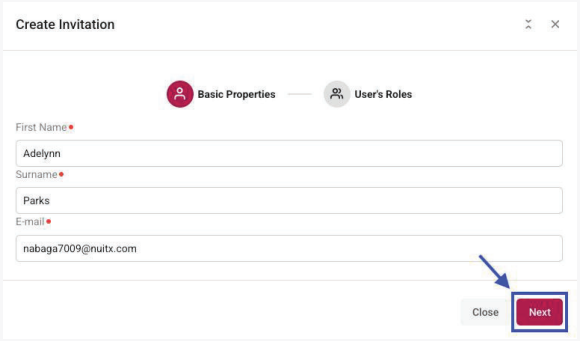
2. A dialog wizard opens.



3 Fill in Basic Properties

1. In the **Name** field, enter the user's first name.
2. In the **Surname** field, enter the user's last name.
3. In the **Email** field, enter the user's email address — the invitation will be sent to this address.

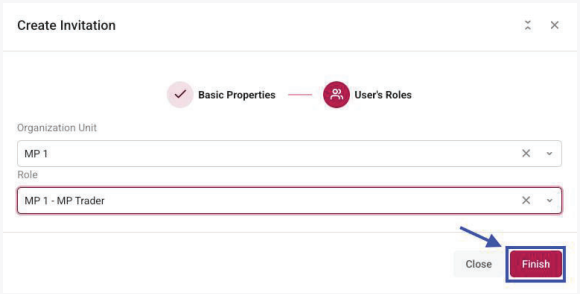
4. Click **Next** to proceed to the next step.



4 Select Organization and Role

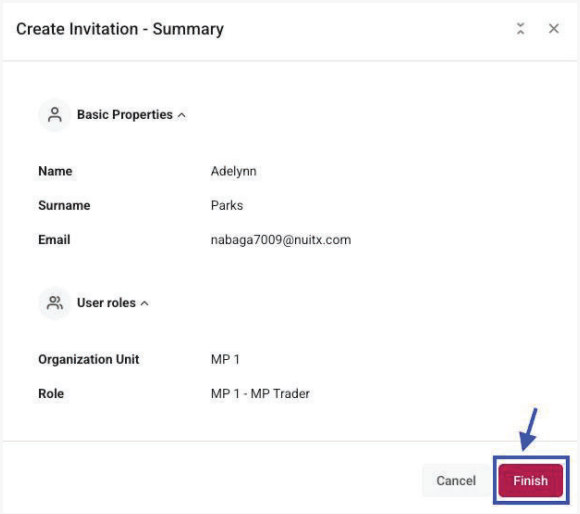
See List of roles for Orion for available roles and descriptions before selecting a role.

1. In the **Organization Unit** dropdown, select your organization.
2. In the **Role** dropdown, select the appropriate role for the new user (e.g. *MP Trader*).
3. Click **Finish** to proceed to the summary.



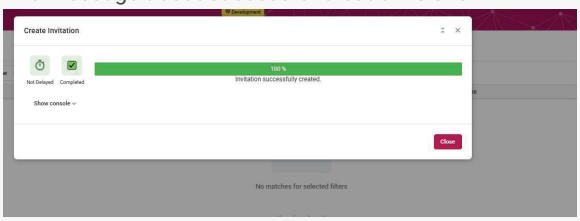
5 Review the Summary and Confirm

1. A summary dialog appears.
2. Review the information in both sections: **Basic Properties** (name, surname, email) and **User roles** (organization, assigned role).
3. If everything is correct, click **Finish** to confirm.

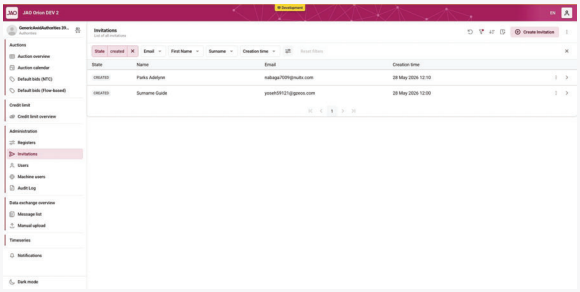


6 **Invitation is created**

1. Info message about successful creation is shown



2. Invitation is shown in the table.



Result

The system creates the user and sends an invitation email to the specified address. The invited user will receive instructions to accept the invitation and complete their registration (see Accept Invitation and Log In).

Repeat Steps 2-5 for each additional user you want to add to your organization.

2.2.3 Accept Invitation and Log In

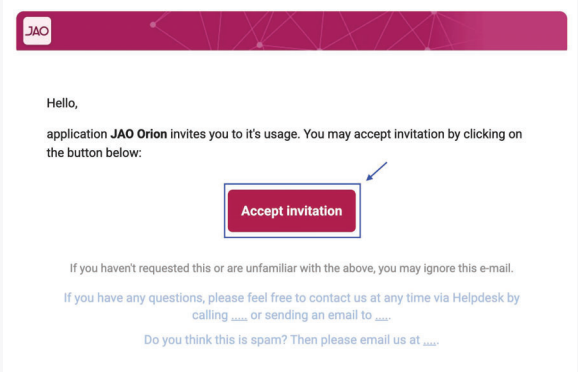
This page describes how a new **MP** user accepts an invitation, completes registration, and logs in to JAO Orion for the first time.

Steps

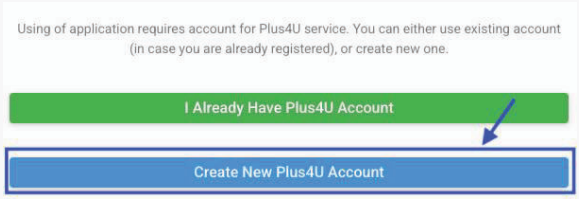
This page describes how a new MP user accepts an invitation, completes registration, and logs in to JAO Orion for the first time.

1 Accept the Invitation

1. The user receives an email **Invitation to JAO Orion application.**
2. Click the **Accept Invitation** link in the email.

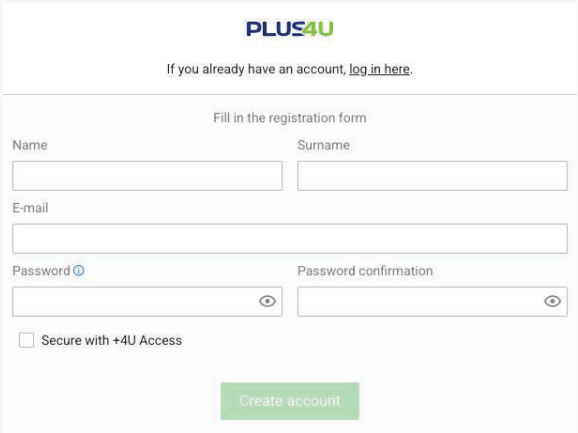


3. If the user does not have a Plus4U account yet, click **Create New Plus4U Account**.



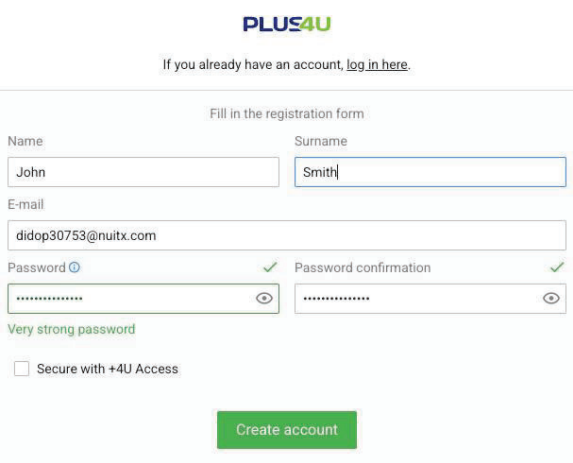
2 Fill in the Registration Form

1. The registration form opens.



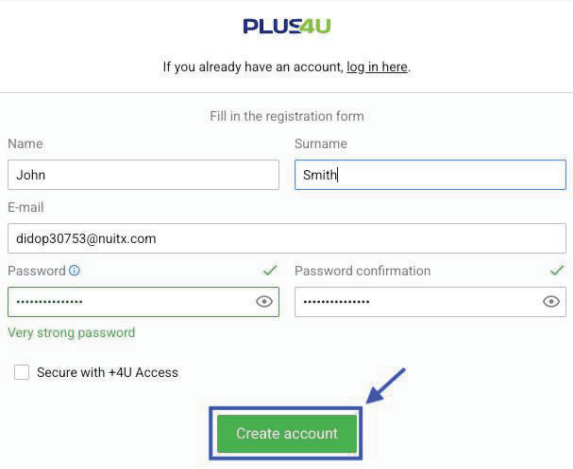
2.2.3 Accept Invitation and Log In

2. Fill in the **Name**, **Surname**, **E-mail**, **Password**, and **Password confirmation**.



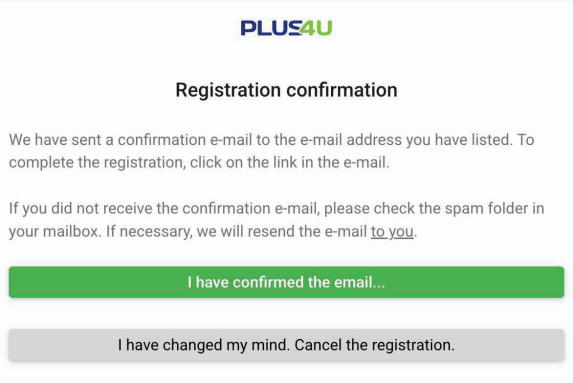
- Warning: The email address used for Plus4U registration must be the same as the address to which the JAO Orion invitation was sent.

3. Click **Create account**.



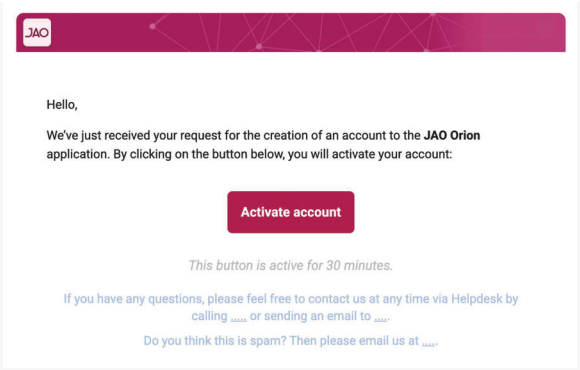
3 **Confirm the Email Address**

1. A **Registration confirmation** page appears with the message: *We have sent a confirmation e-mail to the e-mail address you have listed. To complete the registration, click on the link in the e-mail.*

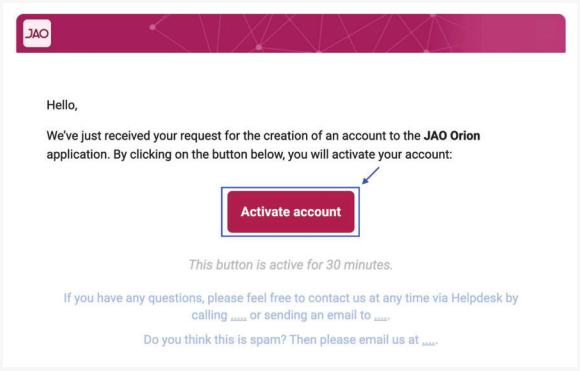


2. The user receives a second email **Registration - Confirm your email address** from `noreply@plus4u.net`. The activation link is active for **30 minutes.**

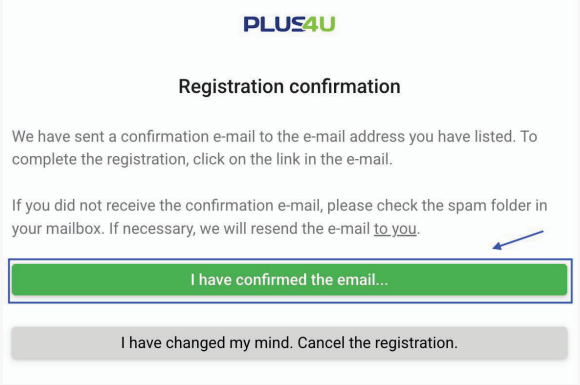
2.2.3 Accept Invitation and Log In



3. Click the **Activate account** link in the email.

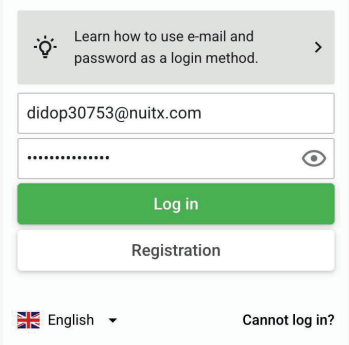


4. Return to the Registration confirmation page and click **I have confirmed the email...**



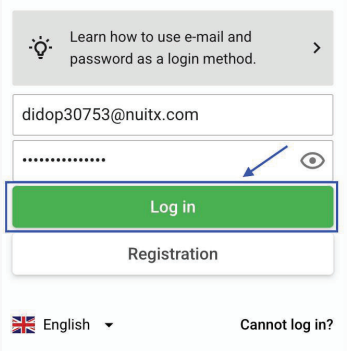
Log in to JAO Orion

1. The login page opens. Enter the registered **email** and **password**.

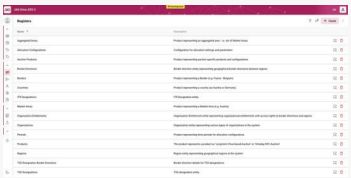


2.2.3 Accept Invitation and Log In

2. Click **Log in**.



3. After successful authentication, the JAO Orion application opens. Verify that the page title **JAO Orion** is visible and the left sidebar menu with **Administration**, **Auctions**, and other sections is available.



To access Orion after finalizing your account please use the below link:

https://orion-preprod.jao.eu/usy-cap-auctionsg01/00332115100000000000000000000100

2.2.4 Submit Bid via API (bid/store)

This page describes how an **MP user** submits a bid using the **bid/store** REST API: obtaining a bearer token, calling the command, and interpreting HTTP status codes and `uuAppErrorMap` entries.

Obtain an access token

Prerequisites:

1. MP user account exists and you can log in to JAO Orion
2. You have the **Auctions API base URI** (`AUCTIONS_URI`)
3. The auction exists and **bidding is open**; your identity can submit bids (e.g. MP Trader).

> **1** **Open showToken in the browser**
>
> The URL is environment-specific
>
> `https://orion-preprod.jao.eu/uu-identitymanagement-maing01/00332110100000000000000000000100/showToken`

> **2** **Log in**
>
> On the uuIdentity login page use **email and password.**

> **3** **Copy the access token**
>
> Copy the full **access_token** (JWT) shown on the page. Use `Authorization: Bearer <token>` in API calls. Valid ~15 minutes.

Calling bid/store

Endpoint

```
POST https://orion-preprod.jao.eu/usy-cap-auctionsg01/00332115100000000000000000000100/bid/store
Authorization: Bearer {access_token}
Content-Type: application/json
```

Sender Codes

The sender codes will be provided in a separate doccument.

Request body (dtoIn)

```
{
  "bidType": "Z03",
  "auctionId": "AT-CZ-D-base_FTRop-261001-01",
  "senderCode": "senderCode from table above",
  "bidList": [
    {
      "bidId": "BID00001-AT-CZ",
      "inDomainCode": "CZ",
      "outDomainCode": "AT",
      "timeInterval": {
        "from": "2026-09-30T22:00:00.000Z",
        "to": "2026-09-30T23:00:00.000Z"
      },
      "blockBid": false,
      "pointList": [
        {
          "timestamp": "2026-09-30T22:00:00.000Z",
          "quantity": 1,
          "price": 1
        }
      ]
    }
  ]
}
```

dtoIn field reference

Field	Type	Required	Description
auctionId	string	yes	Auction MRID (business code). The auction must exist and bidding must be open for your identity.
bidType	string	yes	Document type: Z02 (pre-bidding) or Z03 (main bidding). Must match the current auction phase.
bidList	array	yes	One or more bids to store in this request.
bidList[].bidId	string	yes	Public bid identifier (max length may apply, e.g. 18 characters).
bidList[].inDomainCode / outDomainCode	string	no	Border direction (in/out domain codes) for the bid.
bidList[].timeInterval	object	yes	Delivery window: from and to (ISO 8601 UTC) aligned with the auction delivery period.
bidList[].blockBid	boolean	yes	Whether the bid is a block bid.
bidList[].pointList	array	yes	Price–quantity points: timestamp, quantity (non-negative integer), price (positive, max 2 decimals).
senderCode	string	no	MP participant code submitting the bid.
senderEic	string	no	MP EIC code (when required by deployment).
documentIdentification	string	no	Optional document id when required by the integration profile.

Response body (dtoOut)

```
{
  "uuAppErrorMap": {}
}
```

Response field notes

Field	Description
uuAppErrorMap	Empty {} on success. Non-empty map means validation or business errors (often with HTTP 4xx).

Complete curl example (browser token)

```
# Paste the token copied from the showToken page
ACCESS_TOKEN="eyJhbGciOiJSUzI1NiIs..."

curl -s -X POST \
  https://orion-preprod.jao.eu/usy-cap-auctionsg01/00332115100000000000000000000100/bid/store \
  -H "Authorization: Bearer $ACCESS_TOKEN" \
  -H "Content-Type: application/json" \
  -d '{
    "bidType": "Z03",
    "auctionId": "<auction MRID>",
    "senderCode": "<senderCode>",
    "bidList": [{
      "bidId": "BID00001-AT-CZ",
      "inDomainCode": "CZ",
      "outDomainCode": "AT",
      "timeInterval": {
        "from": "2026-09-30T22:00:00.000Z",
        "to": "2026-09-30T23:00:00.000Z"
      },
      "blockBid": false,
      "pointList": [{
        "timestamp": "2026-09-30T22:00:00.000Z",
        "quantity": 1,
        "price": 1
      }]
    }]
  }'
```

Error Reference

HTTP status codes

Status	Meaning	Common cause
200 OK	Success	Bid stored; uuAppErrorMap is {}
400 Bad Request	Invalid dtoIn	Missing bidList, wrong types, unsupported keys
401 Unauthorized	Missing or invalid Bearer token	Token absent, malformed, or expired
403 Forbidden	Authenticated but not authorized	Identity lacks permission to submit bids for this auction
500 Internal Server Error	Server-side failure	Retry; contact Orion administrator if persistent

uuApp error codes

Errors inside `uuAppErrorMap` follow the pattern:

```
usy-cap-auctionsg01/bid/store/{errorCode}
```

Example of error codes:

Error code	Meaning	Connectivity check
usy-cap-auctionsg01/bid/store/invalidDtoIn	Required dtoIn fields missing, or invalid attribute types	POST without bidList; or send bidList as a string instead of an array → HTTP 400
(empty or gateway body)	Authentication failed before the use case runs	Omit Authorization or use an expired token → HTTP 401

For **HTTP 403**, the response may include notAuthorized (or similar) when the identity cannot submit bids — use an account without bid-submit permission if your environment provides one.

Business validation responses

Keys in `uuAppErrorMap` follow the pattern `usy-cap-auctionsg01/bid/store/{errorCode}`. A **blocking error** (`type: "error"`) returns HTTP **4xx** and the bid is **not** stored. A **business warning** (`type: "warning"`) returns HTTP **200**; the bid is stored but the map contains a validation warning.

Blocking error example (HTTP 400)

Example: bid without quantity and price → `ERR_BID_NOT_COMPLETE`. HTTP 400 — bid not stored.

```
{//Example
  "uuAppErrorMap": {
    "usy-cap-auctionsg01/bid/store/ERR_BID_NOT_COMPLETE": {
      "id": "a1b2c3d4-e5f6-7890-abcd-ef1234567890",
      "type": "error",
      "message": "Bid must contain valid quantity and valid price",
      "paramMap": {}
    }
  }
}
```

Business warning example (HTTP 200)

Example: NTC bid where quantity exceeds offered capacity → `ERR_BID_OC_BREACHED`. HTTP 200 — bid stored, but validation warning in `uuAppErrorMap`.

```
{//Example
  "uuAppErrorMap": {
    "usy-cap-auctionsg01/bid/store/ERR_BID_OC_BREACHED": {
      "id": "b2c3d4e5-f6a7-8901-bcde-f12345678901",
      "type": "warning",
      "message": "The sum of bids must not exceed the offered capacity.",
      "paramMap": {}
    }
  }
}
```

2.2.5 Open Auction Detail

This page describes how an **MP User** (e.g. MP Trader) navigates to a specific auction and views its details.

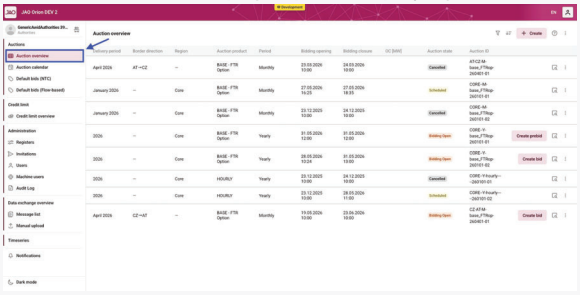
2.2.5 Open Auction Detail

Steps

Prerequisite: You are logged in as an MP user (MP Administrator or MP Trader).

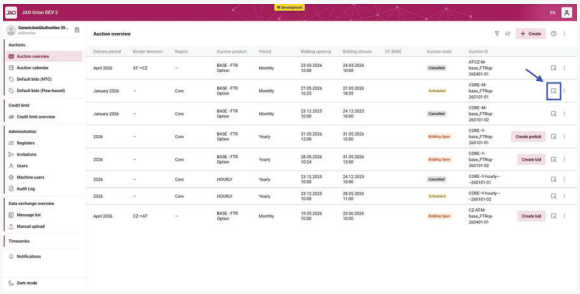
1 Navigate to Auction Overview

1. In the left sidebar menu, locate the **Auctions** section.
2. Click **Auction overview**.
3. The **Auction overview** page opens, displaying a table of all available auctions.

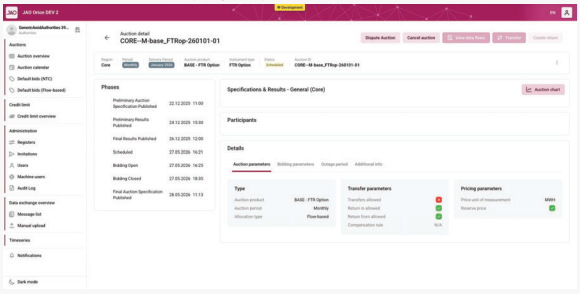


2 Open the Auction Detail

1. Find the auction row you are interested in.
2. Click the **Show entity detail** button (magnifying glass icon) on that row.



3. The **Auction detail** page opens.



3 Review the Auction Detail

The Auction detail page contains the following sections:

- **Header:** Auction ID and action buttons (Create Bid, Dispute Auction, View data flows, Transfer, Create return).
- **Basic Info:** Region, Period, Delivery Period, Auction product, Status, ID.
- **Phases:** Auction timeline with a countdown timer and key milestones.
- **Details** (tabbed): Auction parameters, Bidding parameters, Outage period, Additional info.
- **Participants:** List of organizations participating in the auction.

2.2.5 Open Auction Detail

- **Specifications & Results:** Click the Auction chart button to view Successful Bids (green) and Unsuccessful Bids (red).