

User guide

EASEE – connect



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I. INTRODUCTION

EASEE-gas, the European Association for the Streamlining of Energy Exchange-gas, delivers efficient and harmonised solutions that support business processes across the different actors in the gas value chain. The association was established in 2002 and comprises more than 80 companies active in the European gas market.

EASEE-connect is a centralised digital platform developed by EASEE-gas for the management, maintenance and exchange of company profiles for AS2 and AS4 communication.

EASEE-connect provides a single European repository for AS2/AS4 profile information with the goal being to:

- increase the efficiency and quality of information
- avoid configuration mistakes
- reduce costs
- promote and support the use of the AS4 communication protocol

II. THE CONCEPT BEHIND EASEE-CONNECT

EASEE-connect was designed to help you set up your own communication profile and create and maintain communication relationships with other parties in a simple and secure way.

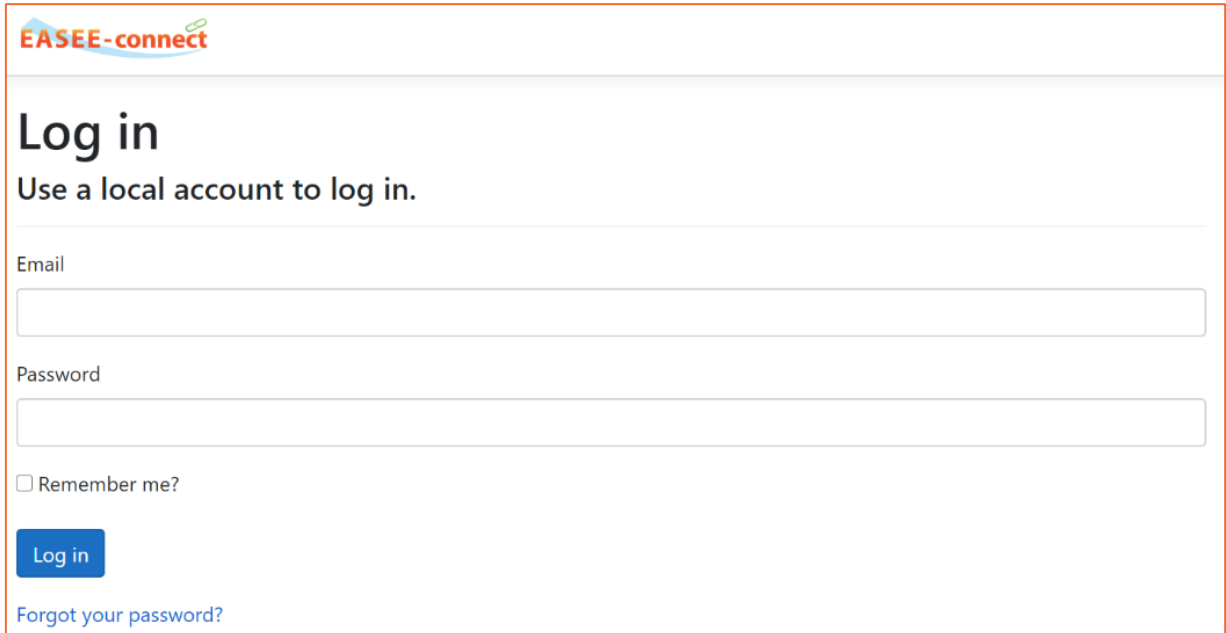
The creation of a new relationship consists of three single steps:

1. Add an encryption / signing certificate
2. Create a communication profile
3. Connect to another party by creating a relation

III. GETTING STARTED

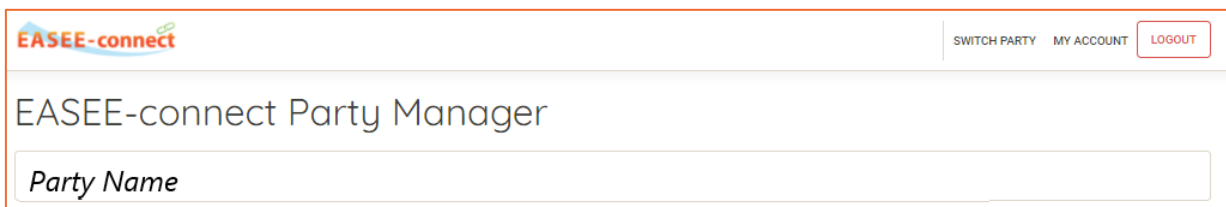
The EASEE-connect platform is available here: <https://easeeconnect.eu>

Once you have received the initial EASEE-connect credentials from the [EASEE-gas office](#) you can log in using your username (Email) and password.

A screenshot of the EASEE-connect login page. At the top left is the EASEE-connect logo. Below it, the heading "Log in" is displayed in a large, bold, black font. Underneath the heading is the instruction "Use a local account to log in." in a smaller black font. The page contains two input fields: "Email" and "Password", both with light blue borders. Below the password field is a checkbox labeled "Remember me?". A blue "Log in" button is positioned below the checkbox. At the bottom left of the form area, there is a blue link that says "Forgot your password?".

On the start page you can select a party. The party is automatically created by the EASEE-connect administrator. One single company can maintain several parties (e.g. when acting as a broker).

By selecting the party you'll get to the main screen of EASEE-connect. In the menu bar you can access the company details or the EASEE-connect account settings. You'll find the logout button there as well.

A screenshot of the EASEE-connect Party Manager page. At the top left is the EASEE-connect logo. In the top right corner, there is a navigation menu with three items: "SWITCH PARTY", "MY ACCOUNT", and "LOGOUT". The "LOGOUT" item is enclosed in a red-bordered button. Below the menu, the heading "EASEE-connect Party Manager" is displayed in a large, black font. Underneath the heading is a large, light blue input field with the placeholder text "Party Name".

IV. PARTY DETAILS

In the “Party” area you can edit the detail information of a party (party name, Edig@s code, AS4 product and role):

Party

Edit Party

Party Identifier

Party Name

Edigas Code

AS4 Product

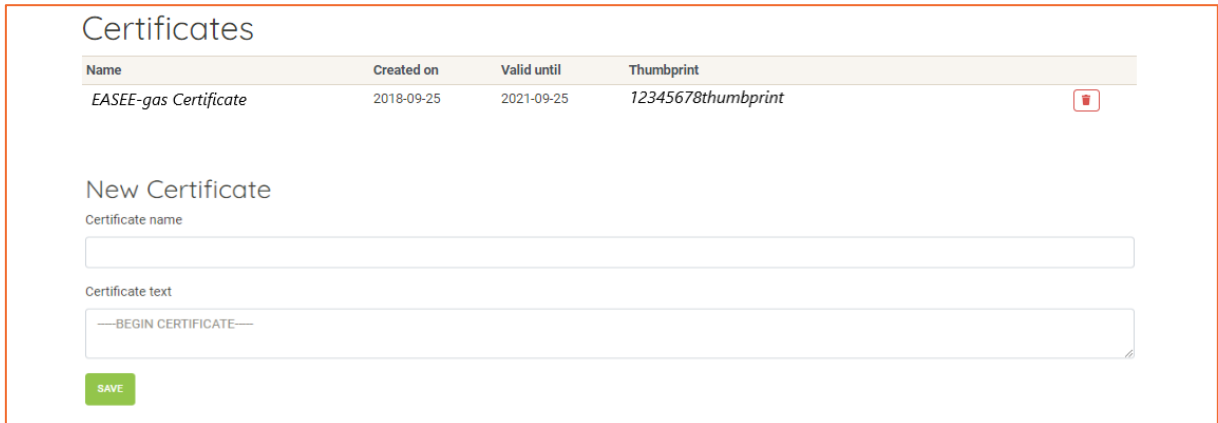
Role

Delegated

The “Delegated” checkbox needs to be ticked if the party is managed by another company. A delegated party uses the same security certificate as the delegator.

V. STEP 1: ADD CERTIFICATES

In the “Certificate” area you can add a new certificate for the selected party or delete existing ones.

The screenshot shows a web interface titled "Certificates". At the top, there is a table with the following data:

Name	Created on	Valid until	Thumbprint
EASEE-gas Certificate	2018-09-25	2021-09-25	12345678thumbprint

A red trash icon is located to the right of the table row. Below the table is a "New Certificate" section with two input fields: "Certificate name" and "Certificate text". The "Certificate text" field contains the placeholder text "—BEGIN CERTIFICATE—". A green "SAVE" button is positioned at the bottom left of this section.

Already uploaded certificates are displayed with the certificate name, the validity period and the thumbprint.

Existing certificates can be deleted by clicking the red icon .

A new certificate can be added by entering a certificate name (this should be a distinct identifier of your certificate) and the public key of your certificate in base64 coded PEM format.

VI. STEP 2: CREATE A PROFILE

On the “Profiles” page you can add a new profile, edit or delete an existing one. “Profile” refers to an AS2/AS4 partner.

Profiles

Select profile

Profile

Profile for party xxxxxxxxxxxxxxxxxxxxxxxxxxxx (from: 0001-01-01, to: 0001-01-01) ✕

CREATE NEW PROFILE

To create a new profile, click on “Create new profile” on the “Profiles” page and enter the required information:

Profile EASEE-gas profile xxxxxxxxxxxxxxxx SAVE

Profile Name

Inbound IP

Outbound IP

Inbound URL

Add document types

Search by Role

Service	Direction	Document Type Code	Action
A02	You receive from All	51G	+
A02	You receive from All	87G	+
A02	You receive from All	88G	+
A02	You receive from All	89G	+
A02	You receive from All	90G	+
A02	You receive from All	91G	+

Selected document types

Service	Direction	Document Type Code	Action

Certificate configuration

Signing Certificate:

Encryption Certificate:

Encryption Algorithms: Default Encryption algorithm: AES 128 GCM
 Override

Signing Algorithms: Default Signing algorithm: PKCS#1 v1.5 (rsa-sha256)
 Override

Validity

Start date:

End date:

The profile name, the inbound and outbound IP addresses of the communication system and the inbound URL must be entered.

To add document types to be used in this profile select an entry by clicking the green button ["+"]. To remove already selected document types, click on the red button ["X"]. Select a signing and encryption certificate from the dropdown box.

To choose a different than the default encryption or signing algorithms select the check box "Override" and choose an algorithm from the dropdown box.

Click on "Save" to store the new profile.

An existing profile can be deleted by clicking on the red button ["X"].

Profiles

Select profile

Profile
<i>Profile for party xxxxxxxxxxxxxxxxxxxxxxxxxxxx (from: 0001-01-01, to: 0001-01-01)</i> X

You will need to confirm the deletion:

X

Delete Profile

Are you very sure you want to remove profile: Profile for party xxxxxxxxxxxxxxxxxxxxxxxxxxxx ?

To view or edit a profile select the respective entry in the list. The profile details will be displayed:

Profile Company profile SAVE

Profile Name

Inbound IP

Outbound IP

Inbound URL

Add document types

Search by Role

Service	Direction	Document Type Code	Action
A02	You receive from All	51G	+
A02	You receive from All	87G	+
A02	You receive from All	88G	+
A02	You receive from All	89G	+
A02	You receive from All	90G	+
A02	You receive from All	91G	+

Selected document types

Service	Direction	Document Type Code	Action
A06	You receive from ZSO	08G	×
A06	You send to ZSO	01G	×

Certificate configuration

Signing Certificate

Encryption Certificate

Encryption Algorithms Default Encryption algorithm: AES 128 GCM
 Override

Signing Algorithms Default Signing algorithm: PKCS#1 v1.5 (rsa-sha256)
 Override

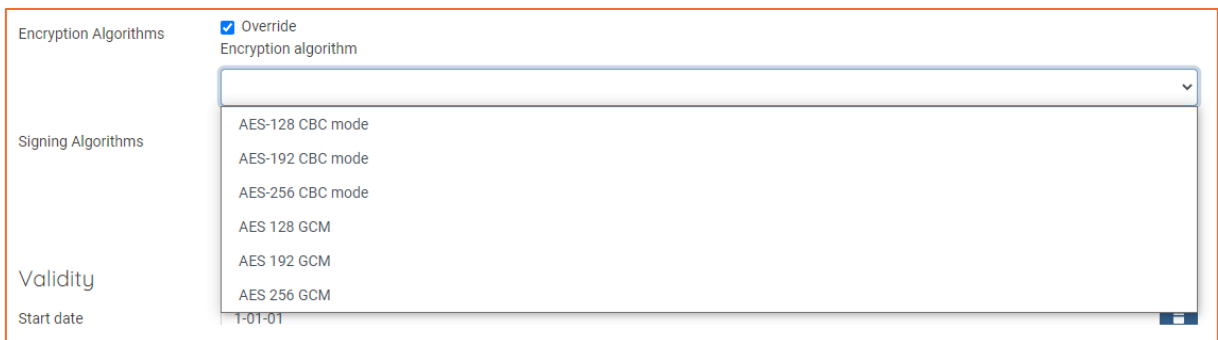
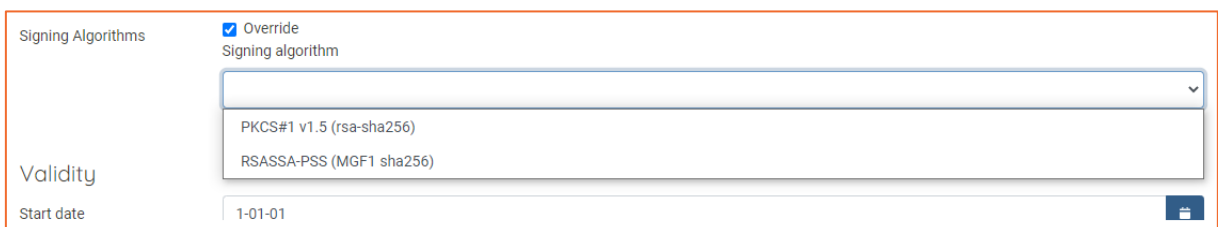
Validity

Start date 📅

End date 📅

SAVE

The pre-selected default algorithms for encryption and signature can be overridden by selecting the checkbox “Override”. The respective algorithms can then be chosen from the dropdown list:

This screenshot shows the configuration interface for encryption algorithms. On the left, there are labels for "Encryption Algorithms", "Signing Algorithms", "Validity", and "Start date". The "Encryption Algorithms" section includes a checked "Override" checkbox and a label "Encryption algorithm" above a dropdown menu. The dropdown menu is open, showing a list of options: "AES-128 CBC mode", "AES-192 CBC mode", "AES-256 CBC mode", "AES 128 GCM", "AES 192 GCM", and "AES 256 GCM". The "Start date" field is set to "1-01-01". A blue "Save" button is located at the bottom right of the form.This screenshot shows the configuration interface for signing algorithms. On the left, there are labels for "Signing Algorithms", "Validity", and "Start date". The "Signing Algorithms" section includes a checked "Override" checkbox and a label "Signing algorithm" above a dropdown menu. The dropdown menu is open, showing a list of options: "PKCS#1 v1.5 (rsa-sha256)" and "RSASSA-PSS (MGF1 sha256)". The "Start date" field is set to "1-01-01". A blue "Save" button is located at the bottom right of the form.

The validity of the profile can also be given by setting a start and an end date.

By clicking on “Save” all changes will be stored in the system.

VII. STEP 3: CREATE A RELATION

On the “Relation” page your existing relations will be displayed, and you can search for new relations.

“Relation” refers to another member with whom you have or want to establish a connection.

The screenshot shows the 'Relation' page interface. At the top right is a button labeled 'DOWNLOAD ALL CONTACTS'. Below the title 'Relation', there is a section for 'Existing relations' containing three entries: 'Example Agreement 1', 'Example Agreement 2', and 'Example Agreement 3'. Below this is a search bar with the placeholder text 'search for new relations' and a blue 'SEARCH' button.

To search for new relations simply type in a keyword and click the “Search” button. The matching results will then be displayed. If you do not enter a keyword and press the “Search” button all available parties will be displayed.

The screenshot shows search results for the keyword 'Gas'. It features a search bar with 'Gas' entered and a 'SEARCH' button. Below the search bar, the text 'Click to invite the party' is displayed. A table lists three parties with their details and 'INVITE' buttons.

Name	EIC code	Edigas Code		
First Gas	AAAAA11111111111			INVITE
Second Gas delegated by My Gas Company	BBBBBBB111111111			INVITE
GasComp	CCCCCCC111111111			INVITE

To display the contact details of the party, click on the telephone icon:

The screenshot shows the contact details for a party. It is organized into sections: 'Business', 'Production Support', and 'Technical'. Each section contains a table with columns for 'Name', 'Phone Number', and 'Email'. At the bottom, there is a telephone icon and an 'INVITE' button.

Name	Phone Number	Email
Business		
xxx	+xx xxxx xxxxx	contact@company
Production Support		
xxx	+xx xxxx xxxxx	contact@company
Technical		
xxx	+xx xxxx xxxxx	contact@company

By clicking on “Invite” you will create a request for the counterparty to set up a communication via EASEE-connect:

Relation

Your Party - Counterparty

You have requested to the other party to communicate via the ENTSOG standard

The requested relation is then listed on the relations list, marked with the word "Request".

Once the counterparty has accepted your request you can create an agreement by selecting the relation in the overview. You will get to the relation detail page:

Relation

Your Party - Counterparty

both parties have agreed to communicate with the ENTSOG standard

Agreement 2020-05-11



Agreement 2020-06-05



Agreement 2020-06-08



CREATE NEW AGREEMENT

If there is already an existing agreement it will be listed here. You can access the details of an agreement or create a new one by clicking on "Create new agreement":

On the Agreement page you can select the respective profiles for each party, and you will see the relevant document types for both profiles. If there are matching pairs of document types, they will be listed in the table below (“Available Documents to use for this agreement”).

Agreement 'NAME 2021-04-21'

Name

Agreement Ref CHANGE VERSION

Your Party

Role: ZSH ✖

Profiles

▼

document types for profile

A06 - receive - 08G
A06 - send - 01G

Counterparty

Role: Undefined ✖

Profiles

▼

document types for profile

A06 - send - 01G
A06 - receive - 01G

Available Documents to use for this agreement

Service	Direction	Document Type Code	Action

SAVE
DOWNLOAD
CANCEL

You can also download the agreement details as a JSON file via the “Download” button. The Agreement Ref can be changed by clicking on the “Change Version” button.

VIII. COMPANY DETAILS

On the “My Company” page the company or group details can be edited, and contact details for the functions “Business”, “Production support” and “Technical” can be added or edited.

The contact details are available to other EASEE-connect users. If available, enter a group e-mail address as “Production support”.

Edit Company

Name

Parent/Representing Company Name

Contacts

Name	Phone Number	Email	
Business			
No contact found			
Production Support			
No contact found			
Technical			
No contact found			

IX. MY ACCOUNT

On the “My Account” page you can edit the profile by changing the email address or adding a phone number:

Manage your account

Change your account settings

- Profile
- Password
- Two-factor authentication
- Personal data

Profile

Username

Email

Phone number

Current Password

Save

You can set a new password:

Manage your account

Change your account settings

- Profile
- Password**
- Two-factor authentication
- Personal data

Change password

Current password

New password

Confirm new password

Update password

To activate the two-factor authentication you can configure an authenticator app by clicking on “Add authenticator app” or receive a token via e-mail if you have confirmed your e-mail address:

Manage your account

Change your account settings

Profile

Password

Two-factor authentication

Personal data

Two-factor authentication (2FA)

To enable two-factor authentication you can setup an authenticator app or if you have confirmed you e-mail address you can receive a token per e-mail.

Enable Email 2FA

Authenticator app

Add authenticator app

Manage your account

Change your account settings

Profile

Password

Two-factor authentication

Personal data

Configure authenticator app

To use an authenticator app go through the following steps:

1. Download a two-factor authenticator app like Microsoft Authenticator for [Windows Phone](#), [Android](#) and [iOS](#) or Google Authenticator for [Android](#) and [iOS](#).
2. Scan the QR Code or enter this key `xxxx xxxx xxxx xxxx xxxx xxxx xxxx` into your two factor authenticator app. Spaces and casing do not matter.

To enable QR code generation please read our [documentation](#).



3. Once you have scanned the QR code or input the key above, your two factor authentication app will provide you with a unique code. Enter the code in the confirmation box below.

Verification Code

Verify

You can download your personal data as a JSON file (click on “Download”), and you can permanently delete the account (click on “Delete”):

Manage your account

Change your account settings

- Profile
- Password
- Two-factor authentication
- Personal data**

Personal Data

Your account contains personal data that you have given us. This page allows you to download or delete that data.

Deleting this data will permanently remove your account, and this cannot be recovered.

[Download](#)

[Delete](#)