

G-REX essentials

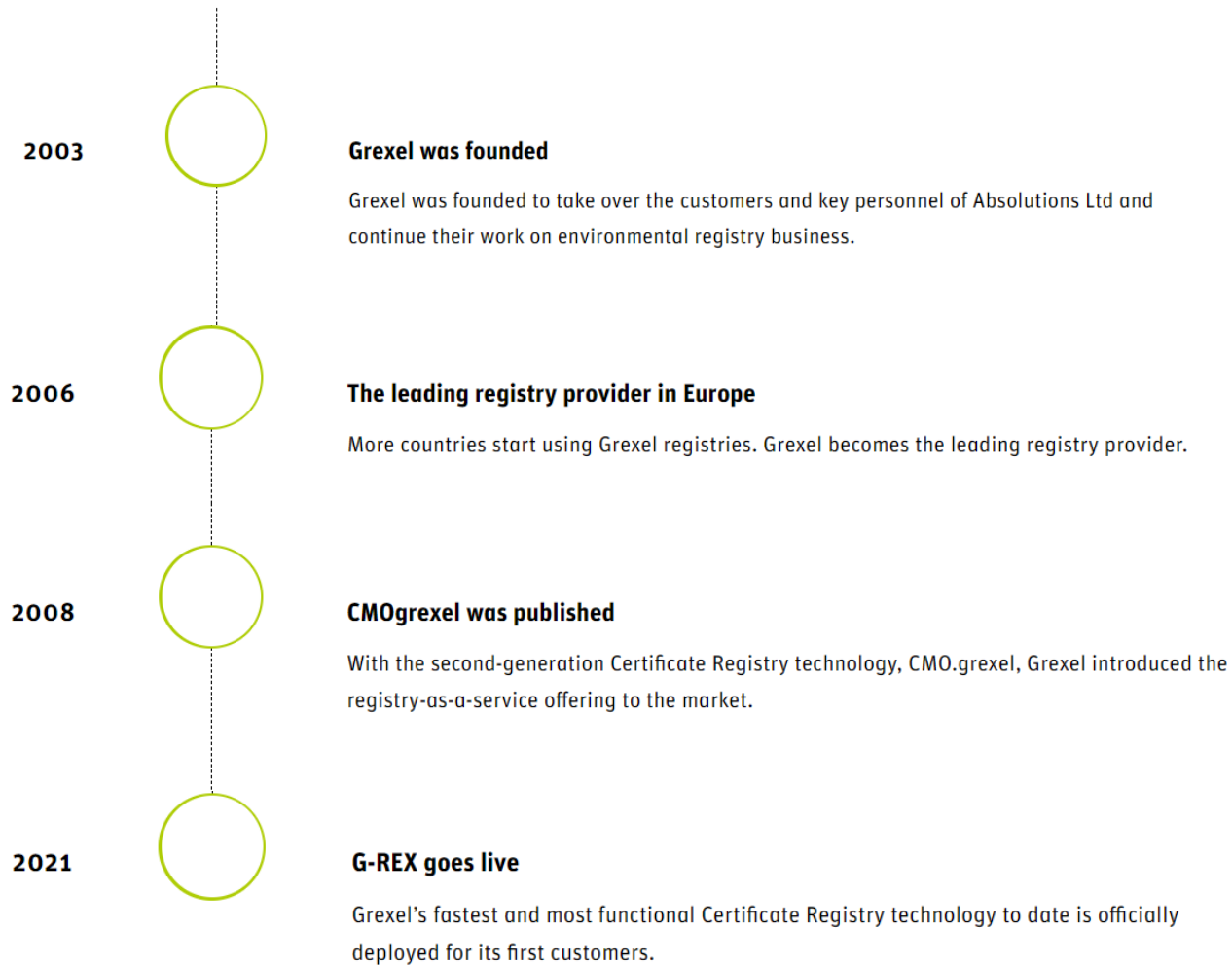
Vienna, 25.5.2022

Thank you for joining today! This is me:

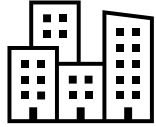
- Head of Accounts and Communication
- Over 5 years of project management experience, IPMA C certified
- MSc in Business Administration, extensive studies in energy technology and economics
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G-REX is the next step of energy certification



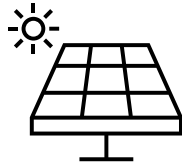
Create organization



Organization Management

- Create and manage organizations and licenses
- Task management

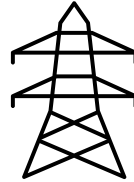
Create Plants



PD Management

- Manage PD version history
- Manage PD details and aggregation
- Approval workflow
- Task management

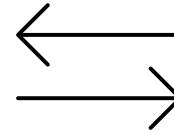
Issue certificates



Energy Management

- Receive meter readings (REST API, XML)
- Support multiple meters
- Declarations (fuel, CHP, dissemination level)
- Approval workflow management

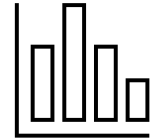
Transactions



Transactions

- Instant, recurring and scheduled transactions
- 4-eye approval
- Blocking of imports

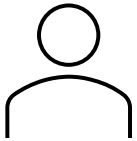
Report data



Public Reports

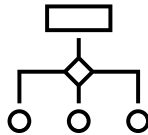
- Account Holders
- Production Devices
- Transactions
- Public cancellation statements

Support processes



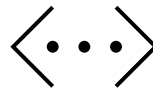
User and Access Management

- Manage users and roles
- Role-based authorization
- One user to many organizations logic
- Strong MFA



Admin and Generic Features

- Dynamic certificates attribute model
- Multi-domain management
- Audit data
- Multi-language registry



System integration, APIs

- All functionality available with APIs
- Issuing Body API
- Account Holder API
- Public API (reports and AIB Hub statistics)
- Hub connection
- Calculate fees and export invoice files



Certificate Account Management

- Account statements
- Subaccounts
- Search and select certificates
- Search transactions
- Approval workflow.



Private Reports

- Activity log
- All data available in pdf and xls
- Transaction report
- Cancellation statement report
- Pre-issuing statistics

The G-REX experience



**Modern,
continuously
improving
user interface**



**Security with
ease of access**



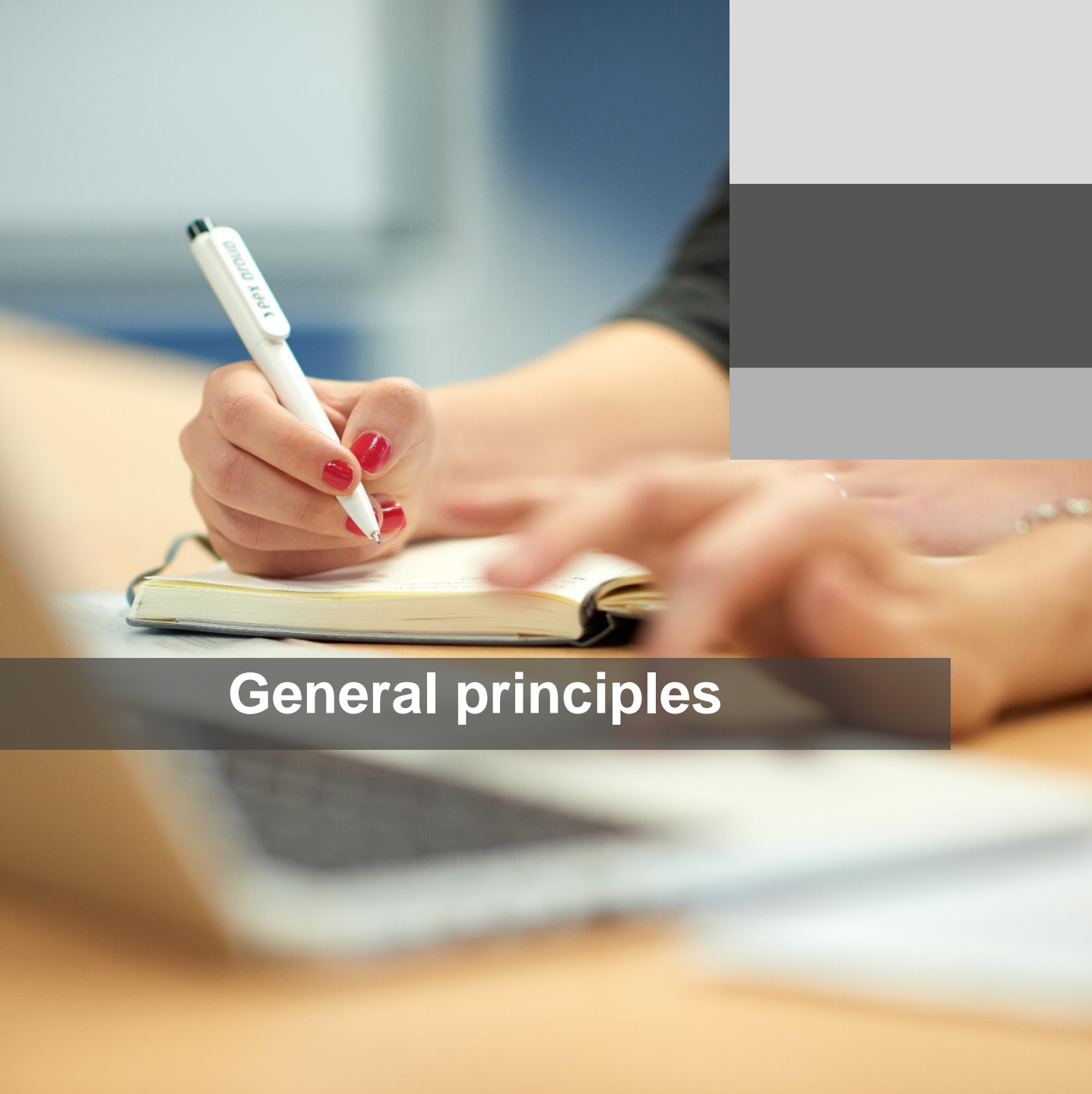
**Easy
integration
using our API
first structure**

All APIs are open
and documented



**Use on any
device**

We are and will be
compliant with AIB v.80,
RED II and CEN EN
16325



› grexel

G-REX ABC

General principles

General principles – Layout and navigation

Main menu – navigate around the features

Header menu – view profile, organization and change organization

Language selection

The screenshot shows the G-REX application interface. On the left is a dark blue sidebar with a main menu containing icons for Home, Reports, Plants, Users, Organizations, and Issuing. At the top left is the grexel logo. The main content area displays a 'Welcome to G-REX!' message and two horizontal bar charts. The first chart, 'Domain transactions: BIOGAS', shows the number of certificates for Issuing, Cancellation, Transfer, and Expiry across three periods (2022-03, 2022-04, 2022-05). The second chart, 'Domain transactions: EECS', shows similar data for two periods (2022-03, 2022-04). On the right side, there is a user profile dropdown menu with options like 'Test User', 'Profile settings', 'Organization settings', and 'Change organization'. Below this are sections for 'Tasks' (1 plant pending approval), 'Cancellations' (6 pending), and 'Notifications' (3 items). At the bottom right, there is a dark blue circular button for 'Manuals & version info'. The footer contains copyright information and the date 26/05/2022.

Statistics

Task list – View actions awaiting activities

Manuals & version info

General principles – Notifications

The screenshot shows the Grexel interface with a green notification bar at the top: "The transaction request was successfully submitted. Reference ID: e8f379d7-26b2-4ce9-bf03-41afd2e70c81." Below this, the "Certificates" section displays "Withdraw submitted successfully" with details: Account number 643002406990013810, Date 2022-05-10 11:11:45 AM, TOTAL VOLUME 1, and Withdrawal category Error in declaration. A "Notification received" callout points to the top right corner of the interface.

Backend service called

The screenshot shows the Grexel interface with a notification center open. The notification center lists: "Certificate withdrawal success 10/05/2022, 11:08 Transaction was completed successfully.", "A plant submitted for approval. 04/05/2022, 10:55 Click to view the plant.", and "A plant submitted for approval. 04/05/2022, 10:55 Click to view the plant." Below the notifications is a "SHOW MORE" link. A callout "View the result in notification center" points to the notification center.

General principles - Grids

Enter detailed view

Filter, sort select & columns

Load excel (and PDF) reports

The screenshot shows the 'List of Accounts' page in the Grexel system. The interface includes a sidebar with navigation options (Home, Accounts, Reports, Plants, Users), a main content area with a table of accounts, and a top navigation bar with user information and a 'Create Account' button. Three context menus are overlaid on the table:

- Menu 1 (Left):** Shows sorting options (Sort Ascending, Sort Descending), a 'Columns' section, a 'Filter' section with a 'Contains' dropdown, and radio buttons for 'Yes' and 'No'. 'Clear' and 'Filter' buttons are at the bottom.
- Menu 2 (Middle):** Shows sorting options, a 'Columns' section, a 'Filter' section with an 'Is equal to' dropdown, and 'Clear' and 'Filter' buttons at the bottom.
- Menu 3 (Right):** Shows sorting options, a 'Columns' section, a 'Filter' section with a 'Biogas' dropdown, and 'Clear' and 'Filter' buttons at the bottom.

The table below shows account details:

Account Number	Account Name	Locked	Volume	Transaction
643002406990014367	Account Name	No	0	SCHEDULE TRANSACTION
643002406990014374	Account Name	Yes	138	SCHEDULE TRANSACTION

GCR Demo Domain [terms and conditions](#) for the registry © Grexel 2022

General principles – Forms and error handling

The screenshot displays the Grexel IB Users management interface. A modal window titled "Add user" is open, showing a form with the following fields and values:

- First name ***: Joel
- Last name ***: Kauppi
- Login email ***: joel@grexel.com
- Data Process Approval ***: (with an information icon)

A red error message at the top of the modal reads: "Invalid input. The User is already registered. ✕". Below the form, there is a text block: "The representative of the organization certifies that the person to be added consents to processing of personal data in G-REX".

Below this text is a table titled "Add Organization Roles":

Organization name *	Email	Mobile Phone	Office phone	Roles *	Action
91XM01GREP - Grexel IB				IB Root	<input type="button" value="Edit"/> <input type="button" value="Delete"/>

At the bottom of the modal are "Close" and "Save" buttons. The background interface shows a list of users with columns for First name, Last name, Test, Vesa, Laura, Raphael, Marko, and Issuing. A red error message is also visible at the top of the main interface: "Invalid input. The User is already registered. ✕".