



Permanent project – Marketplace 2025

Technical specifications for IT developers



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1. INTRODUCTION

1.1 PURPOSE OF THE DOCUMENT

This document is the result of the PERMANET consortium's views on the development of a marketplace. The document is used to provide a clear description of the functionalities, features and purpose of the platform for the organisation that will develop it.

1.2 PURPOSE OF THE DEVELOPMENT

The EU's demand for base metals, battery materials, rare earth elements (REE) and [critical raw materials](#) (CRMs) in general are set to increase exponentially as the EU divests from fossil fuels and turns to clean energy systems which necessitate more minerals. The EU green transition will require the build-up of local production of batteries, solar panels, permanent magnets, and other clean tech. Abundant access to a range of raw materials will be needed to address the corresponding demand. Some of this demand can be fulfilled by secondary raw materials coming from end-of-life products such as Waste Electronic and Electric Equipment (WEEE), end-of-life vehicles and other end-of-life products.

The current development is within the framework of the [Permanent project](#) (*PERmanent MAGnet Network for the European Transition*) funded by the Horizon Europe programme of the European Union. The purpose of the development is to create an **innovative central digital marketplace** for the convergence and consolidation of currently scattered **Rare Earth Elements - containing waste streams** as to reach critical mass to be used in the EU. This digital platform is to become the EU single entry-point marketplace for REE sourcing from WEEE. The platform will be piloted with the collection of WEEE by PERMANET project collection partners, reaching economically viable critical mass thanks to the consolidation of scattered material flows. The platform should be developed in a way that other sources (such as e.g. mining waste) can be added in the future by the administrator of the tool. The development should take into account that in the future the scope of the tool might be expanded from REE to critical CRMs as well.

The platform will be used to bring together industry actors, that are looking to sell or buy REE/CRM containing material. It is to be decided whether information on the economic aspects of the transaction will be shared online (e.g. bidding, and decision of the winning bid) or the marketplace will simply be a place where actors can get info on the materials available, and all other transactions will take place outside the platform.

For this reason we would like to ask you to provide a separate section with the development costs of these parts of the platform (i.e. bidding mechanism, possible financial transaction feature for payment of the bids, for payment of users general fee for using the platform, community feature). These features will be indicated in the specifications as ALTERNATIVE features.

The decision whether these features will be included in the development will be done before signing the contract with the winning organisation.

1.3 TARGET AUDIENCE

All the types of organisations listed below can set a profile and become a user of the platform, regardless of being direct or indirect.

Profiles are associated to organisations. Each organisation should have at least one contact person and may add other users to the organisation profile.

The platform will be used mainly by those who need REE/CRMS containing components or materials and those who are in possession of such materials. They are divided into direct and indirect stakeholders.

These might be WEEE and End of Life Electric vehicles (direct stakeholders):

- collectors,
- **pre-treatment operators,**
- **secondary processors,**
- sorting operators,
- Producer Responsibility Organisations (for-profit)
- repair organisations
- Refurbishers - Remanufacturers
- Asset management organisations
- secondary raw material brokers,
- **producers of components containing REE,**
- **producers of permanent magnets**
- research organisations looking for samples

Indirect stakeholders:

- Original Equipment Manufacturers
- PRO non-profit
- Any industry association: e.g EIT RawMaterials
- Authorities

In addition, there might be an interest from research organisations that are looking for information on the sources of REE/CRM containing material and other entities that would like to get access to the industry protocols made available on the marketplace. As the platform later might be extended to other secondary sources of REE and even to other CRMs, the range of stakeholders that would be participating will be much wider in the future.

1.4 SCOPE OF THE MARKETPLACE

1.4.1 MAIN FEATURES

The main features constitute the minimum viable product to be developed in the first place.

- Publish protocols uploaded by admin to the marketplace on the recovery and extraction of REE/CRMS from WEEE/ELVs. Protocols are informational material such as pdf guidelines, single or multiple files per category, waste source, and/or videos, demonstrating how to remove permanent magnets)
- Provide list materials that the marketplace deals with, and REE/CRMS containing components with exact specifications
- Allow users to upload their offers to sell REE/CRMS (extracted from WEEE/ELVs) or WEEE/ELVs components/spare parts with REE/CRMS content.
- Allow users to upload their request to buy, i.e. the kind of REE/CRMS or REE/CRMS containing components they are looking for with time period for the validity of their need
- Allow users to search and find the buyer or seller of the required material and establish contact, close deal.
- Share automatic matches between offers and demands posted.
- Show list of registered organisations – Industry directory – with organisation rating
- Show website statistics

1.4.2 ADDITIONAL FEATURES

Additional features are under discussion and may be developed upon request of the consortium once the exploitation of the platform is clearly defined, to be confirmed by the time the evaluation of the offers is finished. They are independent features from one and other, some of which can be implemented, others might not.

- Bidding mechanism
- Payment feature where buyer organisation can pay seller organisation.
- Payment feature where the organisation (all users under it) can pay fee to use platform
- Community – a kind of a forum, where users can share news and posts

1.4.3 PROCESS OF TRADING OF MATERIAL

USER STEPS 1 IN THE TRADING PROCESS

User Steps

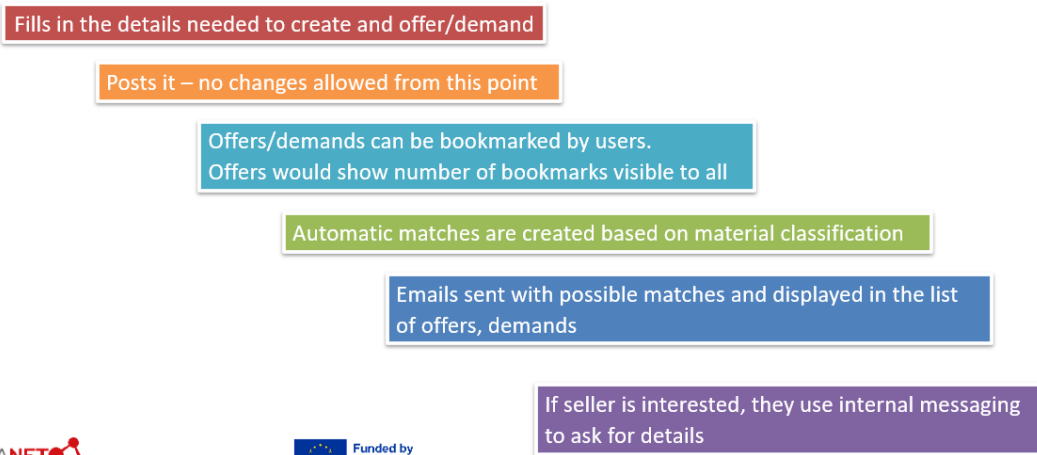


Figure 1 Trading process – User Step 1

USER STEPS 2 IN TRADING PROCESS

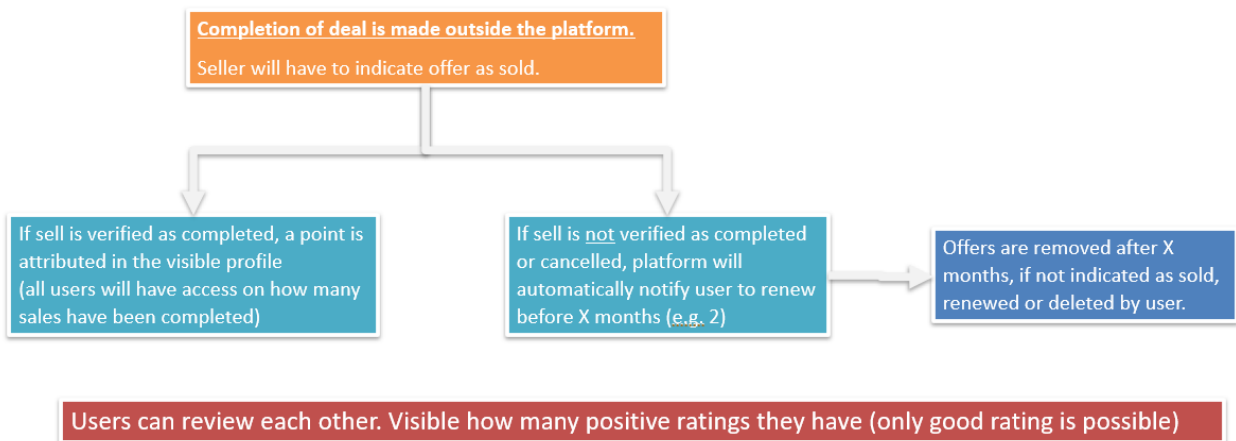


Figure 2 Trading process – User Step 2

The diagram above is based on the assumption that some of the additional features are not developed in the end.

2. FUNCTIONAL REQUIREMENTS

2.1 MAIN PLATFORM FEATURES

The website should run on all relevant browsers and have versions available for mobile phones and tablets.

It is required to develop a live platform and a test environment apart from the development environment. The test environment would be used to perform all the included services before going live.

2.1.1 USER REGISTRATION & AUTHENTICATION

User sign-up/login, role-based access control.

2.1.2 ORGANISATION & USER PROFILE

An area where the users can see, edit, upload their personal and organisation information, manage users – add users under the same organisation, manage their payments for the platform or for the offers/sales made – additional feature.

The area where it includes information about the organisations profile including brand logo, description of activities, users, webpage and other links (e.g. LinkedIn).

See and manage their own posts, add posts for selling or buying, invite other organisations to join platform, etc. Posts are created by completing available forms.

The administration receives a notification every time an organisation is registered.

2.1.3 TRADING OF MATERIAL

Upload posts to sell material

Upload posts on materials interested to buy

2.1.4 PRODUCT LISTINGS

Categories and subcategories of material traded on the marketplace (e.g., source: primary, secondary sources, WEEE, ELV, mining, industrial water). The platform administrator is to create, edit/remove them. Registered users will be able to suggest additional category of materials to be included. Contact button is available in the general page of the product listings and leads to a contact form so user can provide more information about the proposed information.

2.1.5 INDUSTRY DIRECTORY

Show list of organisations of users (with all their details added during the registration process) that have registered & have posted a sales or demand offer on the marketplace. – buying maybe restricted to European countries (to be decided at a later stage)

Only available for to view for registered users, admin can edit the list. Registered users can report false user/organisations.

Rating and other features such as certificates of the organisations will be made visible here.

2.1.6 PROTOCOLS

Make it possible to upload (for admin) and access/download protocols (for all types of users)

User to indicate if they want to report voluntarily to other places where REE/CRMS can be found in products. Contact button is available in the general page of the protocols and leads to a contact form so user can provide more information about the proposed information.

Search by keyword and filter by type/attribute fields of the protocols uploaded (e.g. Protocol 1 attributes: Permanent Magnets; Neodymium; SamCo; WEEE; EV; Hard Drive Disk)

2.1.7 COMMUNITY – ADDITIONAL FEATURE

Creation of a forum/feed or news items with posts where users and admin can upload posts and comment. Admin can remove posts.

2.1.8 BIDDING – AUCTION SYSTEM MANAGEMENT – ADDITIONAL FEATURE

Users offering a price for a certain material on sale should be able to place a bid. They get notified if the bid was accepted or there was another bid which was higher than theirs. In this case they can bid again. A total of two bids are allowed.

Minimum price will not be obligatory - maximum price will not be defined (tbc)

A bidder cannot see other bidders. A seller can see all the bids and communicate with the bidders. If there is a bid placed, other bidders can see that there is a new bid, but no more information (e.g. value, organisation).

The seller and all bidders can access in a record (history) the

A user/organisation that had placed a bid cannot bid for the same offer.

Records of the bidding process are being kept and visible to admins even if users/organisations are deregistered.

2.1.9 PAYMENT OF TRADED ITEMS – ADDITIONAL FEATURE

This feature makes it possible to make payment of a purchased item through the platform.

2.1.10 PAYMENT OF MARKETPLACE FEE – ADDITIONAL FEATURE

System in place for organisations to pay a marketplace fee (e.g. monthly/annual). The fee is linked with the registered organization, regardless of the number of users under it.

The payment refers to a specific period that begins with the date that the first user created the organization profile on the platform.

2.1.11 INTERNAL MESSAGING BETWEEN USERS

In case a user would like to send and receive direct messages,

- to the publisher organisation (all users under it) of a certain post on selling or buying to send/receive more information (linked with the offer)
- to an organisation (all users under it), or a specific user.

These messages can be forwarded to the persons email address if they indicate it in their profile. A notification email is being sent to the e-mail account every time there is a message from another user. The user would need to go back to the platform to reply.

There should also be an alert upon entering the platform if there was a new message while the user was offline. Admin should also be able to reach out to a user and/or multiple users (e.g. requests/questions/ inform about changes). Messages are hidden from other users apart from the sender and receiver unless if as a comment (under a post in the community page – additional feature) Admin should be able to review/retrieve all messaging history even if not directly visible on the site.

2.1.12 SEARCH, FILTERING AND SORTING

Users should be able to easily find:

- Forms for creating a post (there will be different types of templates)
- Interesting offers posted based on material type, location, price, username registered (organisation) etc.
- Organisations connected to the platform offering or purchasing material, based on material type, location, price, username registered (organisation) etc.

In most areas of the platform there should be a search, a filter and sorting by attributes option. E.g. industry directory, trading posts, messaging, attributes of the material being sold.

2.1.13 RATING SYSTEM (AND FEEDBACK?)

Functionality for users to rate organisations listed in the industry directory. This should be only positive rating, such as a like/star, or something similar. Only one like/star can be given for an organisation by a registered user that is not from the same organisation. The rating should be made visible in the posts – where seller/buyer is displayed. It should also be visible in the industry directory. Only admin can see who rated each organisation.

2.1.14 NOTIFICATIONS AND MATCH-MAKING

Email notifications for updates related to offers, and matches, etc. sent automatically by the system.

Such notification should be sent in case there is a match with the pre-saved material the user was looking for, if the user's organisation has received a rating from another user or if a bookmarked post was indicated as sold.

User can define notifications: 'send me notifications of offers for this type of material, or material from this country or from this organisation etc...'

As an additional feature - Notifications should be sent if there is a new bid for an offer/sale post, if the bid was the winning one, if there is a higher bid than that which the user made.

There is a dedicated area where all matches can be accessed by the user (e.g. profile page or other).

2.1.15 SECURITY & COMPLIANCE

Data protection, privacy policies, user authentication methods – if any suggested.

Compliance with relevant industry standards (e.g., GDPR).

2.1.16 REPORTING & ANALYTICS

Access to platform analytics by Admin user (number of sales, user activity, users online, materials sold, etc.). Some of these should be made visible on the platform in form or banner, etc.

Google analytics are required to be included on the website for the admin user to see.

2.1.17 HELP & SUPPORT – CONTACT US

An area where email can be sent by the users to the admin with request for assistance.

2.2 TYPES OF USERS

2.2.1 ADMIN USER

- Not connected to any organisation in particular
- Can manage users' access and users' profiles.
- Can invite other users (already registered or not) to operate as admins
- Can edit, upload, remove protocols
- Has access to all uploaded info.
- Can create, edit, hide "material categories", product listings and waste streams
- Edit/remove offers
- Can edit, remove/archive email templates used for notifications.
- Can upload necessary data and information (explanation of type of data and info in their respective points in the specifications)
- Can download and upload info from and to marketplace
- Can add, edit organisations from industry directory.
- Can edit profile information of organisations (e.g. sg needs to change and there is no reply for a specific period).
- Can create, edit, remove information from the public areas.

- If possible, when creating posts or add information (e.g. adding a new protocol), it would be good to be able to create, save, and publish. So it is possible to save without publishing.
- Additional feature - (TBD) can set fees for accessing the site
- Additional feature (TBD) can set bidding rules
- Additional feature (TBD) can create, edit, remove community groups and posts. Create posts for discussion within the community. Send notifications to community users.

2.2.2 REGISTERED USER

- Register to use the platform. Also cancel registration.
- Create (first user of the organisation), edit and cancel organisation profile.
- Operates under the organisation's registered profile. Cannot operate under another registered organisation with the same email address.
- Add users to profile via invitations.
- Access, filter etc. streams and product listing "material categories/specifications"
- Access Industry directory
- Upload offers to sell or demand to buy material by completing templates, can upload photos of material to the corresponding section and other documents to complement offers.
- If possible, when creating post offers for sale/demand, it would be good to be able to create, save, and publish. So it is possible to save without publishing.
- Can access requests to buy material
- Access, view and manage ongoing deals (e.g. change status as 'sold', 'withdrawn')
- Can download all that the user has access to: templates, protocols, offers etc.
- Can indicate new sources of REE/CRM to be included in materials list and protocols by sending a note to the admin through the contact area.
- Can report possibly false offers by buyers/ sellers and organisations
- Can rate users
- Can be rated by other users
- Can report false user/organisations to the admin

2.2.3 SIMPLE/PUBLIC USER

- A simple user has access to public information, is not registered
- Can access/download protocols
- Can see sales and demand offers but with limited info. E.g. cannot see the users, contacts, location, country.
- Cannot post offers and demands

- Cannot rate other users, cannot be rated by user
- Cannot report false users/organizations
- Cannot see the industry directory – only a summary of the info in the directory, X no. of companies, from Y countries

3. ACCESSING THE PLATFORM

3.1 ACCESS RULES FOR SIMPLE/PUBLIC USER

A simple/public user can see public information. Does not have to register, is not required to log in

Public information is:

- Homepage with project info
- Contact area
- Waste streams and product lists
- Simplified list of offers and demands
- Protocols

Simple users cannot:

- Have an organisation profile
- Access, download offers, they can see basic info only.; type of material, volume, area where the company is based (define regions for this), date of the post.
- Upload offers

3.2 ACCESS RULES FOR ORGANISATION/REGISTERED USER

It is proposed that all registrations are approved by default (TBD if upon payment) but there's a disclaimer indicating that the admin can cancel the registration if the information provided is proved to be false/not accurate.

- Must have completed and submitted a registration form on behalf of an organisation, as a part of that must have provided a real VAT number.
- Must accept GDPR policy
- Must accept Terms and conditions
- Can access the non-public information through a user and password login.
- A single organisation registration may have several individual users that can access the platform. Every individual will have its own login details.
- Must not be on list of false users

- Must have uploaded either a license or a trade certificate
- Additional feature (TBD) registered users must pay a fee
- Individuals of already registered organisations may register through an invite sent by the organisation user, and get login details upon accepting the GDPR and the terms and conditions.
- An organisation must have at least one registered user as part of it. If all users are de-registered, the organisation is being deactivated.

3.3 ACCESS RULES FOR ADMIN USER

Admin user can only be created by another admin user. They have full access to all areas. Access by username and password.

4. PUBLIC AREAS

The platform is to be accessed from a public webpage. This can have a specific URL or be part of an existing URL. The public page contains the public information such as:

- information about the project
- contact area
- services available to registered users
- registration area
- Protocols: displays summaries of protocols and option for download.
- Basic lists of offers, waste streams and products in scope:
 - Public information of offers of material: ordered by waste stream and product, total number of offers available, type of material, region. they can see basic info only.; type of material, volume, area where the company is based (define regions for this), date of the post.
 - Public information on demand posts by waste stream and product, number of companies demanding material - they can see basic info only.; type of material, volume, area where the company is based (define regions for this), date of the post.
 - Summary of directory of organisations: show total organisations in the directory, countries, if they offer or demand.

By default there should be a footer comprising: reference to the owner of the site, link to terms and conditions, link to GDPR policy (other fields to be defined).

5. NON PUBLIC AREAS

The non- public area is accessed through a registration page available on a public page. The non- public area includes:

5.1 USER PROFILE

For registered users.

From this area, users can modify organisation details and cancel registration.

In this profile the organisation can indicate the type of material in which they are interested, this info will be used for sorting notifications and raise alerts of new posts on demand or offer, and to build the directory of organisations.

5.2 USER MANAGEMENT

Individuals of the same registered organisation can be invited to join the platform and use their own login details. They have to accept the GDPR and the terms and conditions to create an access to the platform.

From this area registered users (admin and registered users) can manage individuals having access to their accounts (invite users, remove users).

5.3 ORGANISATION MANAGEMENT

Available only for admin user to be able to manage, remove, contact organisations registered with editable email templates

If a fee is charged for using the platform (additional feature) an area to follow up fees collected and status (ordered, paid, expired etc.) will be needed.

5.4 MANAGE PRODUCT LISTING

List of Materials by material categories traded on the platform. Editable by admin (admin can create, edit and hide) or remove when no post is related with the list item.

This list will be used for structuring posts on offer and demand, and other areas of the platform. Registered users can suggest the addition to the list of materials, categories.

5.5 MANAGE PROTOCOLS

A series of documents or material in other formats (e.g. video) made available to users is managed in this section.

It is editable by admin to upload or remove protocols.

5.6 MANAGE INDUSTRY DIRECTORY

Editable by Admin to manage industry directory (edit, add, remove organisations)

5.7 INDUSTRY DIRECTORY

List of registered users' organisations with all their info – with filtering option. Includes only those that posted an offer or demand. Visible to registered users only (not public users).

Users can be liked (or approved by any other way) by other users – a way of validation to “rank” users – and this is visible in the list. It is also visible how many successful sales/purchases they made. This area should also include a possibility to report user/organisation. In case someone knows the user/organisation is a false identity - they could report it. There could be a pop-up window so they can explain the reason - and this info would arrive to the admin in form of a message (e.g. system message sent as email notification), who could decide whether to suspend the user.

5.8 TRADING MENU

The following two submenus should be made visible in two pages overlapping one and other - toggle on top. With the default being the Sales offers.

5.8.1 SALES

List of posts of materials on sale, possibility to download fiches (materials being for sale and seller organisations) and access to all information available.

Visible to registered users and simplified version of the posts visible to public users.

From this area it should also be possible for registered users to post material offers by completing forms made available and managed by the admin.

5.8.2 DEMAND

List of posts of materials on demand, possibility to access detailed information about the organisation demanding material and the material demanded.

Visible to registered organisations and simplified version of the posts visible to public users.

From this area it should also be possible for registered users to post a material offer/ demand.

5.9 PLATFORM STRUCTURE

This is a schematic representation of the menu structure of the marketplace, please consider it as a draft which was prepared to give more clarity of the idea we have in general.

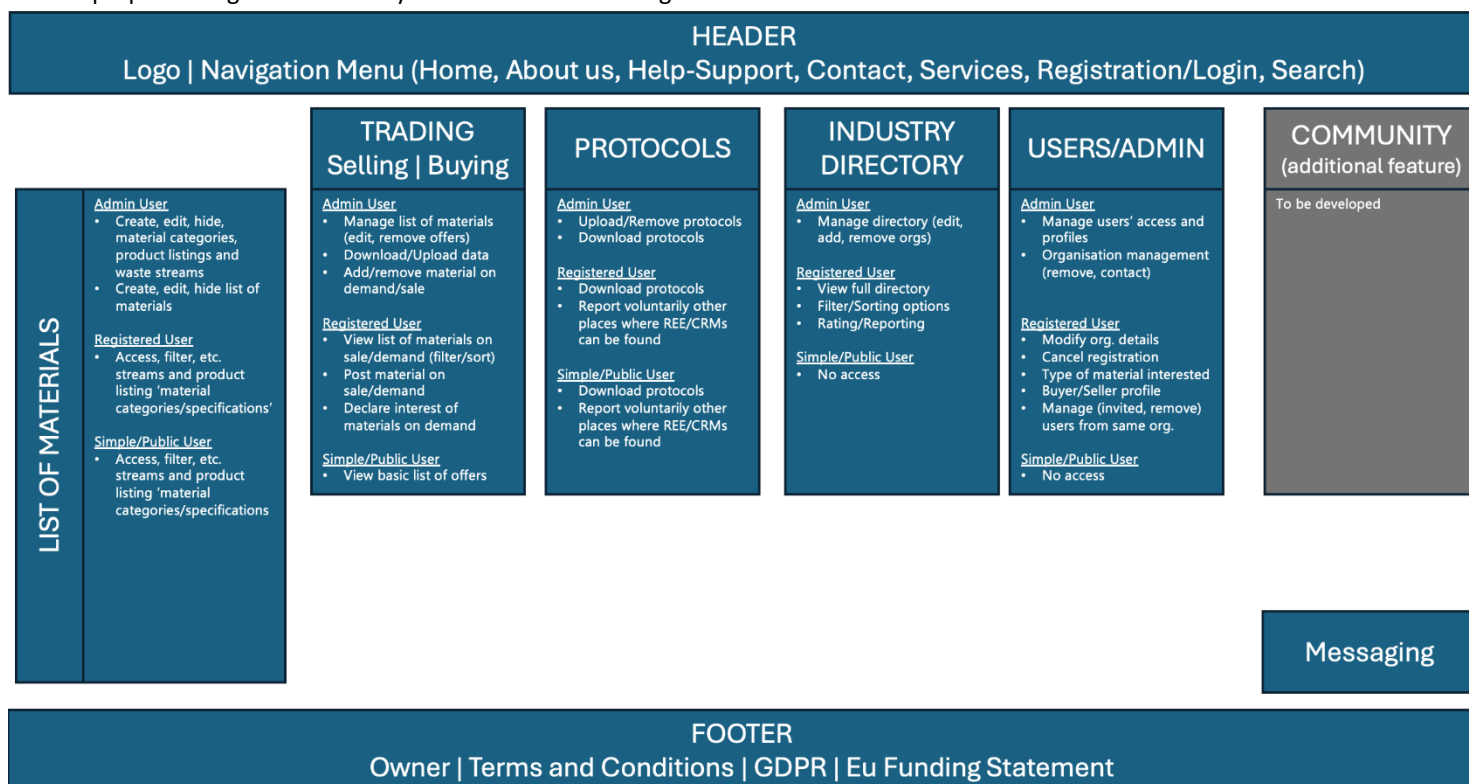


Figure 3 Schematic visualisation of the platform structure

6. DETAILED DESCRIPTIONS OF FEATURES/MENUS

6.1 REGISTRATION

It would be good to have a page where the advantages of registration is highlighted with pictograms.

6.1.2 REGISTRATION FOR REGISTERED USER

- name of your organisation or organisation you are representing,
- country,
- Address - location (one per account).
- VAT – there should be a validation process so that organisations registering have to add a real VAT number. For EU based organisations a VAT checking mechanism is in place. For organisations based outside EU individual VAT checking rules apply per country.
- Set restrictions to VAT numbers from outside EU – they cannot see posts on sales offers only can post a demand and see demand related posts. – this is to be confirmed.
- name and surname,
- e-mail address,
- telephone number, - not mandatory
- business sector and job position
- Upload license, if no license is available upload trade register certificate - mandatory
- Upload certification ISO, CENELEC, etc. - not mandatory
- Accept GDPR,
- Accept terms and conditions
- If the additional feature to pay a fee for accessing the platform, billing details and billing contact person may be needed.

6.1.3 CANCELLING REGISTRATION FOR REGISTERED USER

- When a user registration is cancelled, user profile is removed from the organisation that belonged.
- When an organisation is cancelled, details of this organisation are removed but the history of deals involved completed remain (visible to others that closed a deal with this organisation – basic info).
- When an organisation is cancelled, admin and organisations that have open deals are notified.

6.2 USER PROFILE

Available to all users of the same organisation except the admin user- that will have this under USER MANAGEMENT menu

6.2.1 REGISTERED USER

- All details that were asked during registration
- Change password
- User management - add user to same organisation

- Invite other organisation to join platform
- Possibility to cancel platform contract
- Possibility to download invoices of platform fees paid – if there is a marketplace fee
- Add organisation profile info – description of organisation to appear in Industry directory

6.2.2 MY TRADING – FOR REGISTERED USERS

Can be placed under user profile:

- Create offer to sell
- Create offer to buy
- Manage notifications
- Summary of posts published for selling, user should be able to indicate as sold
- summary of posts published for buying
- Bids made and in process – alternative feature in case bidding is included
- Auctions won - alternative in case bidding is included
- Create alert for materials on sale or demand – “matchmaking”
- Posts liked/saved/bookmarked
- Private Messaging + alerts
- Suggest new sources of REE/CRMS to be included in marketplace

6.2.2.1 Placing an offer to sell material

Steps for entering information

Fill in the following cells, indicate which ones are mandatory:

- Sources - at present: WEEE
- Sources in the future: ELV, mining, industrial water (RECOVERY project),
- Product category: WEEE, components, fractions, type of REE/CRMS
- Process from which material has been obtained (process phase?):
- Further product specifications:
- Availability: time frame, repeated periodical orders possible?
- Upload Photos
- Quantity in different measurements tonnes, kgs, grams
- Minimum price – not obligatory
- Possibility to offer to buy partial quantity
- Form: bale, powder,
- Granularity
- INCOTERMS

- Packaging
- Price: bidding (min. price) and or fix price euro/ton -
- Location
- Upload document with detailed specs
- Technical details: hazardous, shipping, etc.

The list can be extended with extra fields to be included.

6.2.2.3 PLACING AN OFFER TO BUY MATERIAL

Steps for entering information

Fill in the following cells, indicate which ones are mandatory:

- Sources - at present: WEEE
- Sources in the future: ELV, mining, industrial water (RECOVERY project),
- Product category: WEEE, components, fractions, type of REE/CRMS
- Process from which material has been obtained (process phase?):
- Further product specifications:
- Availability: time frame, repeated periodical orders possible?
- Possibility to upload Photos
- Quantity, different measures available grams, kgs, tons:
- Form: bale, powder,
- Granularity
- INCOTERMS
- Packaging
- Price: bidding (min. price) and or fix price euro/ton - - alternative if bidding is included
- Location
- Upload document with detailed specs
- Technical details: hazardous, shipping, etc.

Offers will be online for 45 days (if not indicated as sold or erased from platform before that), after which the seller has to activate the offer, if it is still valid from their part. If no validation occurs the offer will be archived/removed.

If an offer is matched with a material on sale an email is sent to the user and also a pop up appears when they next log in. The pop up and the email includes the post with all details and a link where they can send a private message in the platform to the seller/buyer.

The seller should be able to update the status of the posted offer if it is completed/sold or withdrawn. Whenever the seller removes a posted offer, the system asks to state the reason of the removal.

6.3 PRODUCT LISTING

List of Materials traded on the platform

Editable by admin and visible by all users. Admin should be able to add/extend the groups, sub-groups, etc. This list should also act as filter. - as it should be visible on the left side of the screen when the trading menu with the posts is. Product categories should also be made available as a separate menu on the top.

The material posted for sale or buying will have to be categorised in one of these categories and sub-categories.

6.3.1 CATEGORY STRUCTURE

- Other CRM containing material
- REE containing material
 - REE in mining waste
 - Etc.
 - REE in WEEE & EoL e-vehicles
 - PMs from WEEE
 - PMs - FPD speakers
 - PMs - e-scooter motors
 - Etc.
 - Etc.
 - Etc.
 - Etc.
 - PMs from E-vehicles
 - PMs from e-motors
 - Etc.
 - Etc.

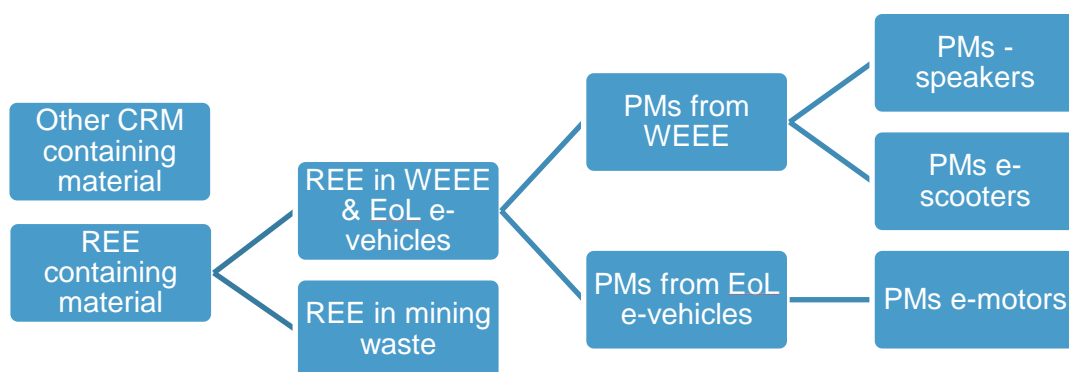


Figure 4 Example of category structure of products and materials listed in the platform

5.4 USER MANAGEMENT

Available only to the admin user to see all users and allow management of users

- Users management - filters
 - Users
 - Organisations
- Licenses/marketplace fees paid
- Manage reported false users/organisations
- Edit info boxes
- Edit email templates/notifications sent to users
- View list and deals/offers and demands completed
- Possibility to download list of users: name of company, country, number of offers posted, number of demands posted, date of last activity, contact email.

7. Design specifications

The marketplace design will follow the official Permanet project visual identity. The following instructions are taken from the official brand manual.

6.1 VERSIONS OF THE BRAND

The brand can be reproduced in three versions: horizontal, package and synthesis, in order to achieve the best adaptation to space in different contexts. The summary version, composed of the pictogram only, is to be used only in the presence of the name "Permanet" correlated. Precisely for this reason its use is recommended as social profile photos and/or messaging systems.

positive



Figure 5 Permanet logo - positive

negative



Figure 6 Permanet logo - negative

Colours

The basic brand colour is a gold shade. The metallic effect can be reproduced through printing finishes or by using materials with a metallic or glossy finish.

If the gradient effect cannot be reproduced, the mark must be displayed in a single colour: in positive with gold or black, or in negative with white.

Permanet Red



RGB
208 19 23
CMYK
10 100 100 3
HEX
#d01317

Permanet Grey



RGB
86 82 84
CMYK
60 53 48 43
HEX
#565254

Figure 7 Permanet colours

Permanet Red

RGB
208 19 23
CMYK
10 100 100 3
HEX
#d01317

Permanet Grey

RGB
86 82 84
CMYK

60 53 48 43
 HEX
 #565254

Fonts

Red Hat Display BOLD
 Red Hat Display REGULAR

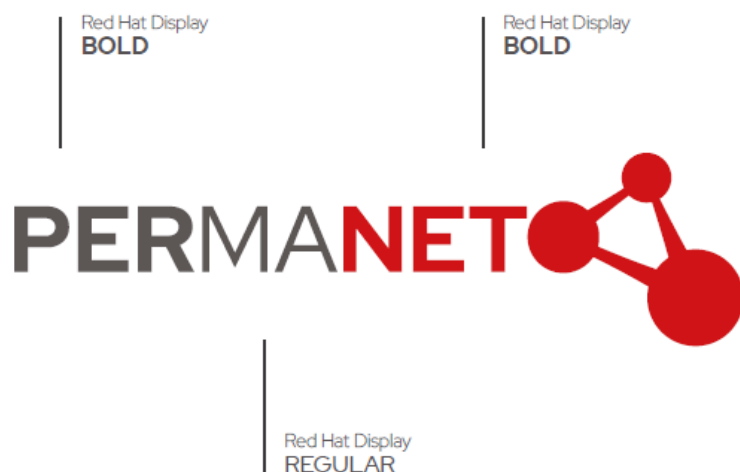


Figure 8 Permanet fonts

6.2 AREA OF RESPECT

The area of brand respect is a measure X, proportional to the vertical footprint of the lettering "Permanet". Any elements, graphics, or text placed near the logo must maintain this minimum distance.

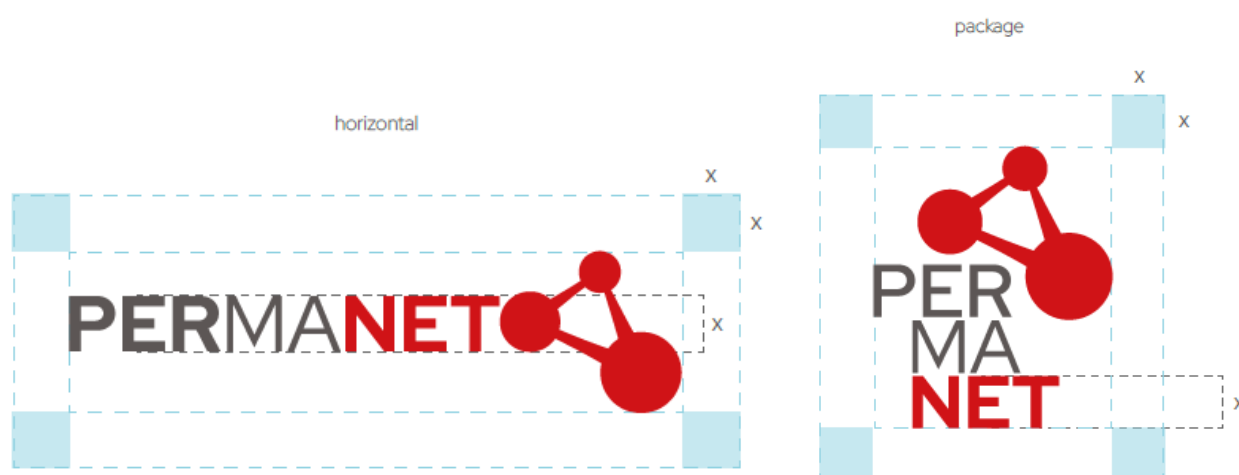


Figure 9 Permanet – areas of respect

6.3 MINIMUM DIMENSIONS

The horizontal mark may be reproduced up to a minimum of 5mm in height, while in the package version, it may be up to 8mm in height. The width must always remain proportional, and no distortions are allowed.

Reproducing the mark at a smaller size than indicated or with any distortion is not permitted, as it would compromise its legibility and recognition.

horizontal	package	

Figure 10 Permanet – minimum dimensions

6.4 USE ON COLOURED BACKGROUNDS

When the label is applied on solid-colored backgrounds, you need to use a colour that ensures adequate contrast. On light-coloured surfaces, the mark should be in the black or gold version, as shown in the examples below. On bright or dark backgrounds, it is preferable to use the negative version in white for greater prominence.

on light-colored backgrounds



on bright colored backgrounds



on dark coloured backgrounds

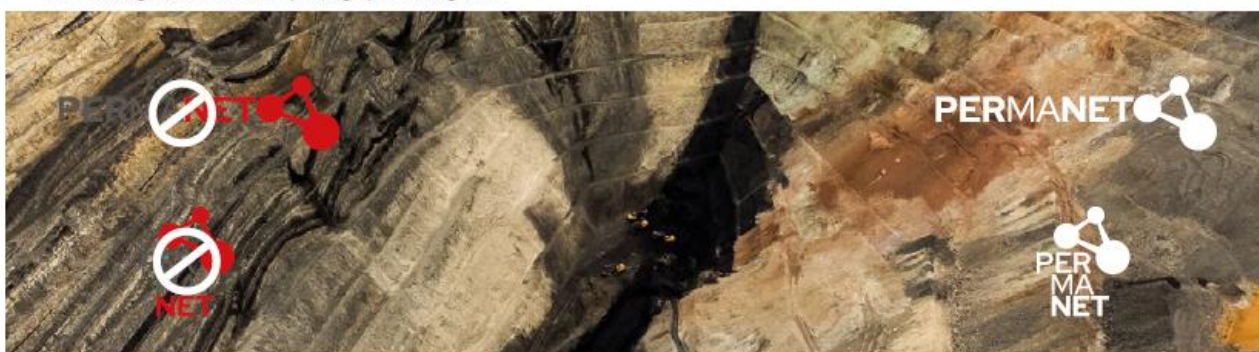


Figure 11 Permanet - use of logo on coloured background

6.5 USE ON PHOTOGRAPHIC BACKGROUNDS

The mark can only be reproduced on photographic backgrounds sufficiently homogeneous to ensure full readability as in the examples given.

on a homogeneous coloured photographic background



on a homogeneous coloured photographic background



on a clear, homogeneous photographic background



Figure 12 Permanet – use of logo on photographic background

6.6 EU FUNDING STATEMENT VISIBILITY

The EU emblem is the single most important visual brand used to acknowledge the origin and ensure the visibility of EU funding.

Apart from the emblem, no other visual identity or logo may be used to highlight EU support. The emblem must not be modified or merged with any other graphic element or text.

The EU emblem, in conjunction with the funding statement, must be prominently featured on all communication materials, such as printed or digital products, websites, and their mobile versions, intended for the public or participants.



Figure 13 Permanet – European Union emblem

Disclaimer

Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Health And Digital Executive Agency (HADEA). Neither the European Union nor HADEA can be held responsible for them.

Acknowledgement of EU funding

This project has received funding from the European Union’s Horizon Europe research and innovation programme under grant agreement No 101178444.

8. TECHNICAL SPECIFICATIONS

Please provide the information requested in the following chapters.

7.1 GENERAL RESOURCES

7.1.1 VENDOR INTERNAL RESOURCES

Please provide information on the contact persons responsible for issues related to project management and technical support. Include others if need be necessary.

Role	Contact Person – Email address	Responsibility
Project Manager		
Technical Lead		
Other		

Table 1 Table for vendor internal resources

7.1.2 BILL OF MATERIAL AND DEPLOYMENT

Please provide detailed information on the deployment details, including hosting, Public IP of the server, server configurations, licenses, storage limits, bandwidth, and encryption of personal & confidential information.

7.1.3 TECHNOLOGY STACK AND SOURCE CONTROL

Please provide detailed information on the technology stack and source control, including descriptions of the web backend stack and server environment, frontend stack, source control, testing, and training for users.

7.2 DATA PRIVACY & SECURITY MANAGEMENT

Please provide information on the technologies and practices used for data protection and security management, including encryption methods and database characteristics.

7.2.1 DATA PROTECTION TECHNOLOGIES & SECURITY MANAGEMENT

Please provide a checklist and description of available technologies such as discovery/inventory of data, storage, backup, snapshot, replication, firewalls, encryption, endpoint protection, disaster recovery.

7.2.2 DATA ENCRYPTION

Please provide detailed information on the various data encryption methods and technologies, such as transparent encryption, column-level encryption, Encrypting File System (EFS), symmetric encryption, asymmetric encryption, and key management practices.

7.2.2 DATABASE CHARACTERISTICS

Please provide detailed information on the characteristics of databases, including common vulnerabilities, types of attacks-malicious actions and how they are being dealt, regulatory compliance requirements, and responsibilities for maintaining database security.

7.3 RELEASE AND HANDOVER

7.3.1 PRE-RELEASE AND RELEASE PROCEDURE

Please provide detailed information on the pre-release and release procedures, including checklists for pre-release activities, release activities (including testing), and monitoring.

7.3.2 REPORTING AND ANALYSIS

Please provide detailed information on the effectiveness checks once the website goes live, including metrics such as website traffic, conversion rate, and recommended plans based on the reports.

7.4 MAINTENANCE & SUPPORT

7.4.1 MAINTENANCE PROCESS AND ISSUE SUPPORT

Please provide detailed information on the policies and high-level procedures governing the maintenance of the system, addressing both proactive (preventive) and reactive (corrective) activities needed to keep the system fully operational.

7.4.2 CHANGE MANAGEMENT

Please provide detailed information on the change management process in software development, including how changes to artifacts (such as code, processes, or documentation) are controlled, supported, and managed.

7.4.3 TRACK LOG

Please describe how the above-mentioned maintenance activities, issues, and changes are logged and monitored, including the use of a request log to keep track of these activities. Please define the type of track log (e.g. specific software).

7.5 BACKUP AND RETENTION

Define the activities associated with the provision of data backup, retention and destruction plans and programs that protect information systems, networks, data, databases and other information assets, specific to this project.

7.5.1 BOM

Please provide detailed information on the description of assets and methods of backup, including scheduling, retention periods, destruction methods, and examples such as source code, licenses, databases, assets, production code phase, VM, and settings.

Example:

Backup, Data backup, retention, and destruction					
Asset	Source of Backup	Scheduling	Retention Period	Destruction	Method of Backup
Source code,					
License & Keys, Database,					
Production code phase					
VM					
Settings					

Table 2 Examples of details to be given about retention, destruction

7.5.2 MONITORING

Please provide detailed information on the inspection procedures, including a table with the date of inspection, inspected by, and date of mail received.

7.5.3 BUSINESS CONTINUITY PLAN (BCP) & DISASTER RECOVERY (DR)

Please provide detailed information on the BCP and DR processes, including preparation for and response to emergencies or disasters, formal BCP standards such as ISO 22301, and documentation of the process, timings, and governance in case of failure.

7.5.4 RISK ASSESSMENT & BUSINESS IMPACT ANALYSIS

Please provide detailed information on the assessment of potential risks to the business from disasters or emergency situations, and the activities and effects that a business disruption may have upon them. Provide the actions that need to undertake to address them.

7.5.5 RECOVERY TIME

Please provide detailed information on the amount of time it takes to recover all items to the point of failure.

9. CONTRACTING REQUIREMENTS

Permanet project partners will own all intellectual property rights of the developed software, codes, designs, and other deliverables. Contract will need to include non-disclosure agreement on protecting sensitive data, trade secrets, and any confidential information exchanged during the development process and during maintenance.

Please quote separately all those features defined as “Alternative feature” and future maintenance fee. Define period for testing and feedback, warranty period.

10. PROJECT TIMELINE & MILESTONES

Marketplace development start date: April 2025.

The final deadline to develop the platform is end of February 2026

Please include GANTT chart with milestones, as a minimum development milestone, user acceptance milestone, testing milestone, beta and pre-release testing, training milestones, manual release, production release. Define testing stages (unit tests, integration tests, user acceptance tests) and the developer's responsibilities in meeting testing standards. Include how bugs or issues identified post-delivery will be addressed. Terms for maintenance periods or ongoing support.