

LIFE-2021-CET

LIFE-2021-CET-SMARTREADY

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Smart Square

**Smart Tools for Smart Buildings: Enhancing the intelligence
of buildings in Europe**

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Duration: 36 months

DELIVERABLE: D3.4

SMART SQUARE TOOL RELEASE V1

SMART READY GO!



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D3.4 SMART SQUARE TOOL RELEASE V1

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Abstract	This deliverable summarizes the process that has been utilized to launch/release the Smart Square Tool – Now called "Smart Ready Go!" making it accessible, findable and usable for building professionals in Europe.
Keywords	Smart Readiness Indicator, Software Tool, SRI Assessment, Smart Buildings

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Dissemination Level		
PU	Public, fully open, e.g. web	<input checked="" type="checkbox"/>
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EXECUTIVE SUMMARY

Smart Ready Go! is ready for use by building professionals across Europe.

<https://www.smart-ready-go.eu/>

Potentially the main Key Exploitable Result of the project, the Smart Square Tool, now rebranded as the software product Smart Ready Go! is fully “launched” for use in Europe. To reach this point, it has been developed, validated and supported by a series of activities in the project to make the tool / product findable, accessible and usable.

This short document provides a summary of the activities and logic utilized to date to arrive to what we can consider the tool/product being “released” or “launched.” Appendices include supporting material in the form of a product brochure and the user guidelines which detail what the tool is and how to use it.



Figure 1. Smart-Ready-Go! logo

TABLE OF CONTENTS

Contents

Contents	5
1. Introduction.....	7
1.1 Scope and objectives of the deliverable	7
1.2 Structure of the deliverable	7
1.3 Relation to other tasks and deliverables	7
2. Release & Launch of Smart-Ready-Go!	8
2.1 Rebranding, from tool to software and toward product	8
2.2 Release and Launch	8
2.3 Findability, Accessibility & Usability	10
2.4 Toward Distributorships and Sales / Support Processes	12
3. Conclusions.....	13
Appendix 1 – Smart Ready Go! Brochure.....	14
Appendix 2 – Smart Ready Go! User Guidelines	16

LIST OF FIGURES

Figure 1. Smart-Ready-Go! logo	4
Figure 2. Launch Event Promotion (Linkedin and CINEA SRI Newsletter)	9
Figure 3. Assessment Results - Italy	11
Figure 4. Tutorial Videos	11
Figure 5. Smart Ready Go! Brochure	14
Figure 6. Smart Ready Go! Rollup	15

LIST OF ACRONYMS AND ABBREVIATIONS

Term	Description
BACS	Building Automation and Control Systems
BIM	Building Information Modeling
CET	Clean Energy Transition
CINEA	European Climate, Infrastructure and Environment Executive Agency
CSS	Cascading Style Sheets
SEO	Search Engine Optimization
SRI	Smart Readiness Indicator
TRL	Technology Readiness Indicator
URL	Uniform Resource Locator
WP	Work Package

1. Introduction

1.1 Scope and objectives of the deliverable

This report is the output of Task 3.4 (Smart² Release) led by partner R2M. It is part of WP3 (Design and development of the Smart² platform) and compliments other WP tasks which include development of the architecture (Task 3.1), backend and frontend development (Task 3.2) and Alpha and Beta testing (Task 3.3). The task description states “This Task will have perhaps the greatest effect on the ultimate success and acceptance of the Smart² platform” and details some of the expected activities which include keyword research for Search Engine Optimization (SEO) activities, the development of a user guideline with screenshots, and a channel for feedback to be responsive to comments from users. What the task does not describe is the set of activities appropriate for a “launch” of the tool and this has been defined during the course of project and task activities.

The scope of this report is to put a wrapper around the deliverable which is coded as type “demonstrator” and which is in reality the actual tool www.smart-ready-go.eu.

The objective of the deliverable is to make clear to the reader the activities done to date, the current status and direction forward for Smart Ready Go! as it transitions from a tool under development to a software product that has been released and which will be improved over time.

1.2 Structure of the deliverable

This report uses one chapter as a main body (Chapter 2) to document task activities in full supported by this introduction, a conclusion and two appendices, a brochure as a short mini-guide and full user manual also available on the Smart Ready Go! website.

1.3 Relation to other tasks and deliverables

This Smart² Release v1 is the culmination of development, validation and beta testing over the first two years of project activities supported by “launch” activities. The relation to the other tasks and deliverables of WP3 is as is described in Section 1.1. As normal for any software, Smart Ready Go! will continue to evolve and improve through and beyond the project. At M36, an updated set of deliverables related to the architecture, front-end, back-end and release activities will be provided (D3.5-D3.8).

As the core of the project, the Smart-Ready-Go! platform relates to nearly all project activities. In particular however, there is an important relationship with WP6 (Sustainability, Replication and Exploitation of project results) in Task 6.3 (Exploitation Activities) by which decisions related to the business model (method of sales and distribution, pricing models, means for marketing and support, and other business processes) of the Smart Ready Go! platform are developed, discussed and matured.

2. Release & Launch of Smart-Ready-Go!

This chapter provides a short description of the logic, state of the art and activities surrounding the release and launch of the Smart² tool and its transition into the Smart-Ready-Go! software and eventual product.

2.1 Rebranding, from tool to software and toward product

The project Smart Square began with development activities surrounding the concept of a Smart² tool. As a consortium, decisions were taken to instead rebrand toward an identity that did not mirror the name of the project and to one that instead was synergistic with terminology within the SRI community. The Smart Readiness Indicator (SRI) is built on “Smart Ready Services” and “Smart Ready Go!” aligns nicely with this terminology directly utilized in the evaluation methodology.

It was also considered not efficient to build brand awareness for the same environment in two different ways. First, as the “Smart² tool” during the EU project and then under a different name after the EU project. For these reasons, during the development activities and across beta testing activities, the URL (Uniform Resource Locator) and branding of the software platform became “Smart-Ready-Go!”

As the Technology Readiness Level (TRL) of the platform development work has increased, it is also consistent and this task has fostered a change in thinking and positioning from tool to software and toward being a product. In simple terms, a tool is something that people can use, potentially not fully validated, a software is validated and has supporting elements (user guidelines, user experience, support), and a product has business processes (means of sales and a business model). Using these simple definitions and at the time of this report, Smart Ready Go! is a software that is transitioning toward being a product.

2.2 Release and Launch

Release. Smart-Ready-Go! was released at the SRI Joint Event on 7 March 2024¹ in Brussels as published in this CINEA news article² and hosted by the Smart Square project. At this event, over 100 stakeholders from the Smart Buildings community interacted with the four LIFE-CET Smart Ready projects and the LIFE-CET Build Perform projects. Smart-Ready-Go! was released, discussed, demonstrated and provided an assessment for the host building.

Since that time, Smart-Ready-Go has been featured, demonstrated and used across a series of events, expositions and SRI Days which include amongst others:

- MIPIM – Real Estate Market Event, Cannes, France, March 2024
- SPLITECH – Scientific Conference, Split, Bol, Croatia, June 2024
- Skills & Knowledge for High Performance Buildings, Sofia, Bulgaria, August 2024
- Sustainable Places, Scientific Conference, Luxembourg, September, 2024

At each of these events, the tool has been demonstrated, users have been registered, assessments have been conducted, and a feedback loop has been created between users and the tool facilitating development. At the time of this report, over 700 assessments are uploaded into the platform.

¹ [SRI Newsletter Feb 24](#)

² [CINEA Event Summary](#)

Launch. Smart Ready Go! has been launched on the Italian market on 26 November in Milan, Italy by partners R2M and Arcadis at GBC Italia event “Smart Building: Digitalisation for Net Zero” at which GBC Italia presents its latest position paper to the Italian ministry on Smart Buildings covering Building Automation and Control Systems (BACS), Building Information Modeling (BIM), Digital Twins and innovative smart building technologies to achieve Net Zero Goals in support of the energy and digital transition of the building sector. R2M and Arcadis were contributors to this position paper and the SRI is detailed in the paper along with the supporting projects at the EU level. Smart-Ready-Go! is also documented in the report and was part of the event panel discussion, was featured onsite at a table where demos, assessments (call-center) and interest have been conducted and collected. The event was appropriate for a launch activity as the Green Building Council is the largest network of sustainability professionals worldwide (90 countries, 46000 members). These professionals are largely building assessors for sustainability protocols for real estate assets where Method B assessments would be appropriate making the GBC network a natural targeted stakeholder group of Smart-Ready-GO!

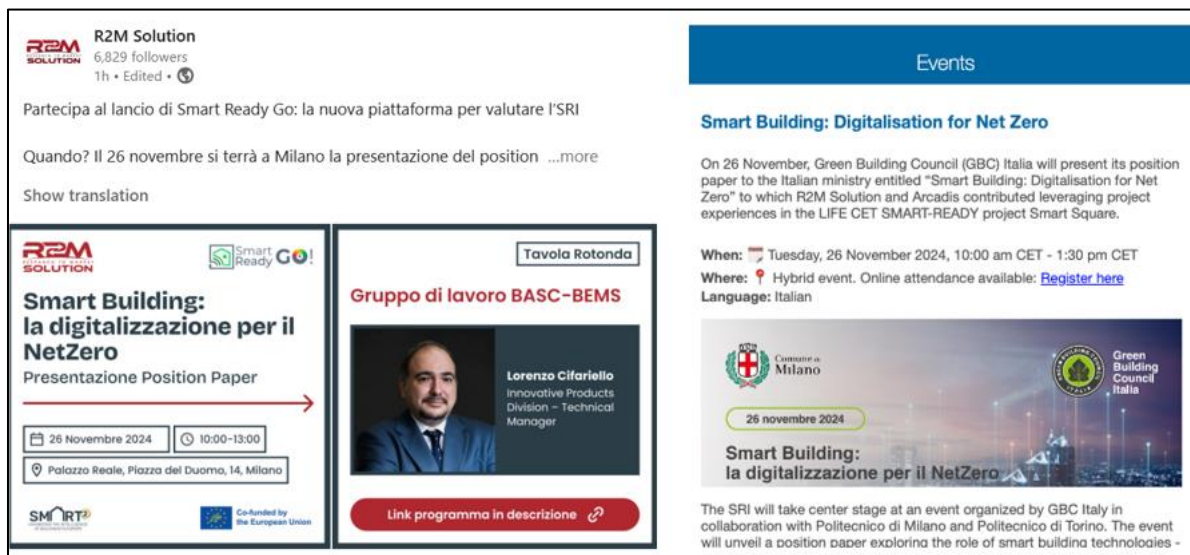


Figure 2. Launch Event Promotion (LinkedIn and CINEA SRI Newsletter)

In shaping the concept of “launch,” elements that mark the transition from a “release” and toward a “launch” in the way this task has organized the work have included:

- The use of an event making possible press releases and marketing activities to draw attention to new moment concerning the software
- The presence and use of supporting materials (product brochure, rollup, booth or table)
- The presence of a structured process to offer and support the product (a promoter / distributor) to a targeted audience (in this case building assessors in Italy who form the members of GBC Italia)
- Completion of the activities and elements of Section 2.3 (findability, accessibility, usability)
- Intent to deliver a business model

Images of the product brochure and rollup are included in Appendix 1. The shift from project-type materials, graphics and branding to product-type materials has been deliberate. In doing so, the linkage to the project and supporting funding program has been maintained. Smart-Ready-Go is clearly affiliated with Smart Square but branding now has its own identity that is complementary to the project but not encapsulated within it.

2.3 Findability, Accessibility & Usability

The concepts of findability, accessibility and usability have been useful as guideposts in the structuring and conduct of Task 3.4.

Findability. Findability is work to ensure that people find Smart-Ready-Go! online. The work has consisted of Search Engine Optimization (SEO) activities using professional services to get it right using the following software tools.

- **SEMrush:** For analyzing organic traffic, keywords, and backlink profile.
- **Google Keyword Planner:** To identify new keyword opportunities.
- **Google Search Console:** For performance monitoring and detecting technical issues.
- **PageSpeed Insights:** To evaluate site speed and mobile optimization.

This work began with Keyword Research using the EU commission SRI websites, the Smart Square project website and Smart-Ready-Go! websites for keyword planning software engines that analyze these pages and provide the indexing of keywords on those pages (number of annual searches, keyword strength and other metrics). In assessing the output of that work, we were not satisfied with the results as terms that we wanted to see were not present – terms such as “Smart Ready Services” or “SRI Method B” as two example. This can be in part because the SRI is introducing new terminology into the field and at some point in the future keyword planners will return more of the keywords we were anticipating to see. Using the output however as a start point, the R&D team designed a supplementary set of keywords and eliminated those we did not consider appropriate for our work. In total, a set of 41 keywords have been developed / selected. These keywords are driving SEO optimization activities.

SEO Optimization work being carried out consists of two types. On-page optimization and backend optimization. On-page optimization is the development of new / supplemental text for inclusion onto the Smart-Ready-Go! website that includes the keywords selected and developed by the R&D team. This is a simple and effective way to increase findability and it is natural that when designing the front end, the inclusion of keywords is not the first aspect software developers have under consideration.

Back-end optimization consists of making webpage content accessible for web scrapers and indexing tools. An SEO audit of the webpage revealed some tough results as the webpage was missing meta tags, had technical redirect errors, needed image optimization, and required the integration of keywords in the code. The Smart-Ready-Go! webpage has been directly coded, hence it is also natural that the development of the code to make the software platform functional did not have the design objective at the onset to make the software platform (optimally) findable by web indexing functions. The start point from the SEO audit provided the following feedback:

- **SEO and Duplicate Content:** Several pages have duplicate titles and content, which can confuse search engines and reduce visibility.
- **File Optimization:** Numerous CSS and JavaScript files haven't been minimized, which can slow down page load times and hurt the user experience.
- **Image Accessibility:** Many images are missing “alt” tags, which makes the site less accessible and limits image search visibility.
- **Server Errors:** Some pages are returning 5xx errors, preventing users and search engines from accessing content.

- **Lack of Meta Descriptions and Structured Markup:** Effective use of meta descriptions and structured markup like Schema.org and Open Graph is missing. These could significantly improve the site's visibility and attractiveness in search results.

These considerations are now being addressed and a monitoring phase has begun will track improvements in the SEO audit score over the upcoming 3-6-12 months.

Accessibility. Accessibility in Task 3.4 relates to language. Via drop down window in the homepage menu, Smart-Ready-Go! is now available in 24 EU languages. Automatic translations have been verified by native language speakers and sets of corrections have been uploaded into the platform across the various languages. This process and decision to have the platform available in 24 languages is a deliberate decision to make the environment more appealing to support this new SRI assessment methodology as broadly as possible and to reduce the barriers for people to engage with it.

Accessibility is also facilitated by a key functionality in the platform which makes SRI assessment in the database results navigable / explorable by country (Figure 3). These results can be filtered by type of assessment methodology utilized to conduct the assessment and assessment scores are shown across the Impact Criteria and Technical Domains (smart ready services). This is intended to deliberately stimulate and show users and stakeholders at all levels that actions are happening in their country and that trends in the results are available for benchmarking.



Figure 3. Assessment Results - Italy

Usability. Usability targets making the platform easy to use / to lower the barrier to entry as much as possible for building assessors. In this regard, the work in Task 3.4 has focused on the making and availability of a robust user guideline document that walks users through each step of the process to get up and running on Smart-Ready-Go!. That user guideline is attached as Appendix 2 and is continuously updated as the software makes new releases and develops new features.

In addition, a series of tutorial videos are available directly on the platform. These animated videos cover the topics of 1) How to create a new user; 2) How to create a new assessment; and 3) How to conduct the call center approach.

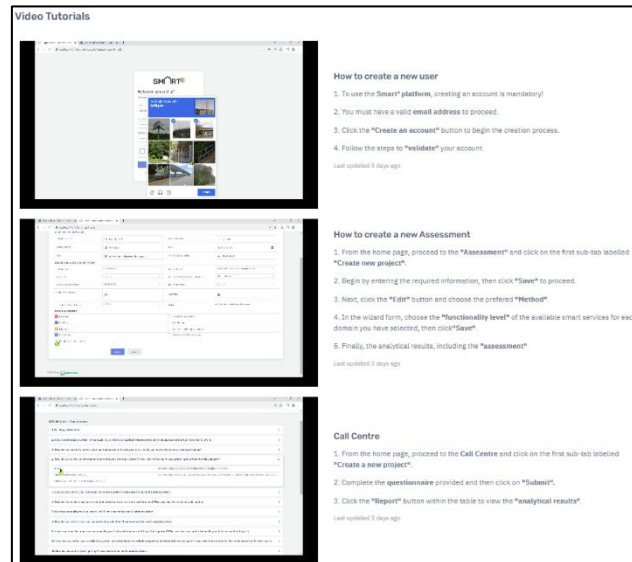


Figure 4. Tutorial Videos

By working on usability, the ability to scale and service more users efficiently becomes increasingly possible.

2.4 Toward Distributorships and Sales / Support Processes

Work in Task 3.4 has provided a basis to open discussions related to distributorships. This work will continue in Task 6.3 (Exploitation Activities). R2M has background and expertise on the distribution of both new and mature technologies and software products. The design of distributorships (if triggered) will consider market opportunities, pricing, the tradeoffs between having local distribution vs. centralized sales, exclusivity, the concept of targets, the expectations on investment from both sides, the freedom of maneuver in marketing, representing or using the software and other topics. These discussions will be interesting because there are competing variables. Overall, the mass uptake of the SRI methodology aligns with a low pricing. However, the ability to promote, market and support users on their journey requires modest pricing. For assessors, the delivery of high-quality assessments and consulting on how to improve SRI assessment results requires higher pricing. Decisions will consider various models for sales and sales processes, assessment methodology and potentially building typology. What is clear is that tradeoffs must be considered, one cannot continue to develop, support and promote a useful software across time without a consider pricing model.

3. Conclusions

This document has provided a wrapper around the Smart-Ready-Go! SRI assessment platform which is available at <https://www.smart-ready-go.eu/>. With this deliverable, we consider that the platform has been released and launched. Consequently, our communications about the platform are aligned with this terminology.

Work in this task has focused on what it takes to bring the Smart-Ready-Go! platform from researchers and developers to building assessors. This has included rebranding the name to be more appealing on the market, designing release and launch events (to include the supporting processes and materials) and on making the platform Findable, Accessible and Useful via SEO actions, the availability in 24 languages, and the development of user guidelines / video tutorials.

No sales of Smart-Ready-Go! have been conducted to date and the work of this Task has not been to arrive to that point. The commencement of any sales activities will be decision for exploitation activities in WP6 and considered within the context of all project activities. However, the work of Task 3.4 has prepared the consortium to better consider these next steps.

Appendix 1 – Smart Ready Go! Brochure & Rollup

How it works

- 1 Create an account
- 2 Get training or certify proficiency
- 3 Select Assessment Method (A or B)
- 4 Input building data and features
- 5 Receive SRI assessment results
- 6 Manage your portfolio with confidence

Smart Ready Go! ®

Verified

Portfolio management

By assessors for assessors

Always up-to-date

User friendly

Data Storage

FAQs & Support

Results visualization

Take control of your building smartness!

← ← ←

How smart ready is your building? 🏠

Established under the EC's Energy Performance of Buildings Directive (EPBD), the SRI is a tool designed to assess a building's technological readiness to optimize energy efficiency and performance, to adapt to the needs of building occupants, and to adapt to signals from the grid.

Get started today!

✉ info@euphyia.tech.com

www.smart-ready-go.eu

Make & Deliver SRI assessment like a pro, easily

One-Stop Shop SRI Platform

Results Visualization & Portfolio Management

Resources, Knowledge and Support

Smart Readiness Indicator Software Platform

A product designed and developed by

Smart Ready Go is a One-Stop shop for SRI Assessors

Avoid multiple excel files, manage projects and generate improvement scenarios

Deliver professionally presented results and analytics

Access our online training materials & FAQ

Keep up to date with the SRI Observatory

Receive insights, benchmarking and best practices from the field

The SRI assesses a building's smartness over **several building domains** such as heating, cooling, domestic hot water, ventilation, lighting, dynamic building envelope, electricity, EV charging and monitoring and control ensuring that **buildings meet the EU's energy efficiency and smart technology standards.**

How smart ready is your building?

Using the SRI, building owners can **identify opportunities to improve** energy efficiency, enhance occupant comfort and **ensure that building systems are running optimally.** It is about making smart technologies accessible to everyone.

Smart Ready Go is for everyone

Are you a beginner? No problem, we have everything you need.

Professional assessor? Servicing your clients just got easier.

Asset manager? All your buildings, in one place.

In a national or regional SRI test phase? We have experience.

Be a market frontrunner and ready for the 2027 EPBD mandate

Figure 5. Smart Ready Go! Brochure

Smart Ready GO!

Make & Deliver SRI assessment like a pro.

One-Stop Shop SRI Platform

Results Visualization & Portfolio Management

Resources, Knowledge and Support

Smart Ready Go is a One-Stop shop for SRI Assessors

Using the SRI, building owners can **identify opportunities to improve** energy efficiency, enhance occupant comfort and **ensure that building systems are running optimally**. It is about making smart technologies accessible to everyone.

Smart Ready Go is for everyone

The SRI assesses a building's smartness over **several building domains** such as heating, cooling, domestic hot water, ventilation, lighting, dynamic building envelope, electricity, EV charging and monitoring and control ensuring that **buildings meet the EU's energy efficiency and smart technology standards**.

Scan this QR Code to see how much Smart Ready is your Building

Verified | Portfolio management | By assessors for assessors

Always up-to-date | User friendly | Data Storage

FAQs & Support | Results visualization

A product designed and developed by **EUPHYIA** www.euphyia-tech.com

SMIRT2 ENHANCING THE INTELLIGENCE OF BUILDINGS IN EUROPE

Co-funded by the European Union

Figure 6. Smart Ready Go! Rollup

Appendix 2 – Smart Ready Go! User Guidelines

Downloaded from www.smart-ready-go.eu on 21 November 2024.

For the current version at the time of viewing this document, please visit the website as it is continuously updated across time upon new releases of version updates of the Smart Ready Go! software and its functionalities.



LIFE-2021-CET

LIFE-2021-CET-SMARTREADY

Grant agreement no.: 101077241

Smart Square

**Smart Tools for Smart Buildings: Enhancing the intelligence
of buildings in Europe**

Start date of Project: 01/10/2022

Duration: 36 months

USER GUIDE

SMART2 BETA VERSION



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TABLE OF CONTENTS

Contents

Contents	3
1. Account Creation	4
1.1 System Requirements.....	4
1.2 Introduction to the main page	5
2. Creating a New Assessment	6
2.1 Procedure - Method A.....	6
2.1.1 Result – Method A.....	8
2.2 Procedure - Method B	13
2.2.1 Result – Method B.....	16
3. Call Centre	21
3.1 Procedure	21
3.1.1 Results	23

1. Account Creation

1.1 System Requirements

To use the Smart^2 platform, creating an account is mandatory. You must have a valid email address to proceed.

[1] Click the "Create an account" button to begin the creation process.

[2] The subsequent steps are illustrated in Figures 1-2, guiding you through account setup.

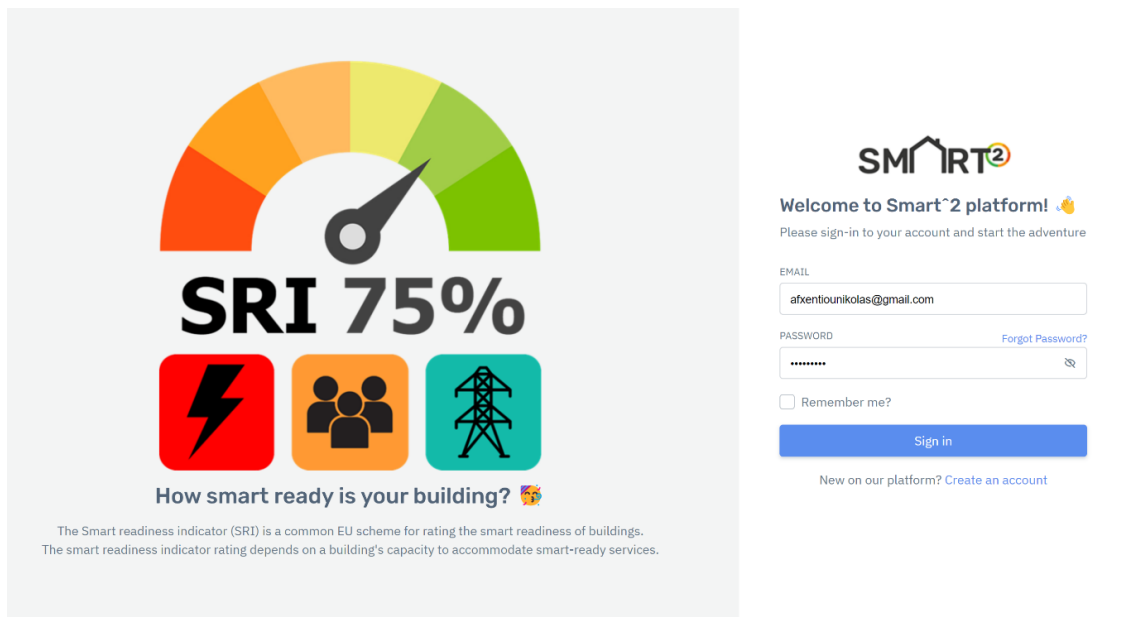


Figure 1: Create an account

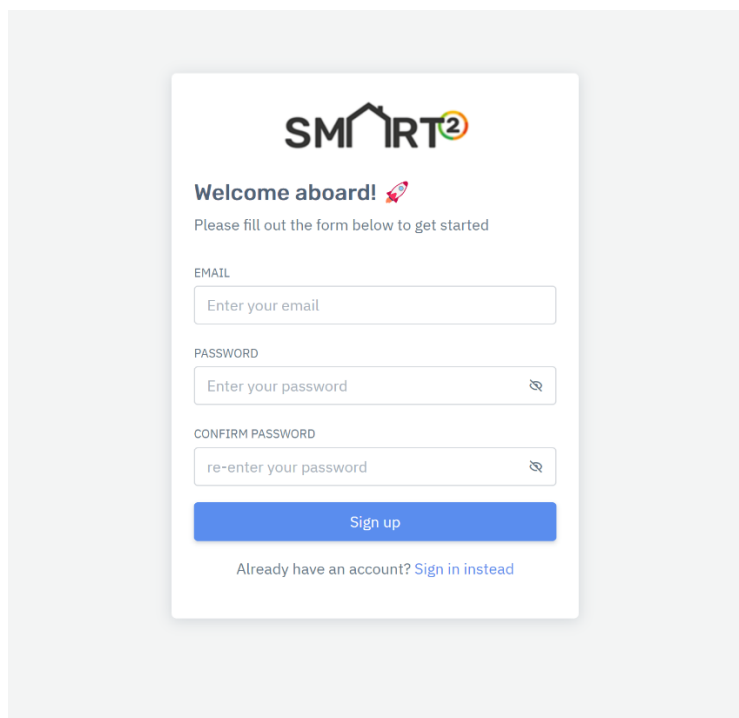


Figure 2: Register page

1.2 Introduction to the main page

Figure 3 displays the main page, which is organised into three primary tabs:

- [1] **Home:** Serves as the landing page for users.
- [2] **Assessment:** Contains two sub-tabs; the first allows users to create a new assessment, and the second, "Project Database," stores project information.
- [3] **Call Centre:** Features a simplified questionnaire method that enables users to complete a self-assessment in less than 10 minutes. The first sub-tab allows for creating a new project, and the second sub-tab serves as a repository for project information.

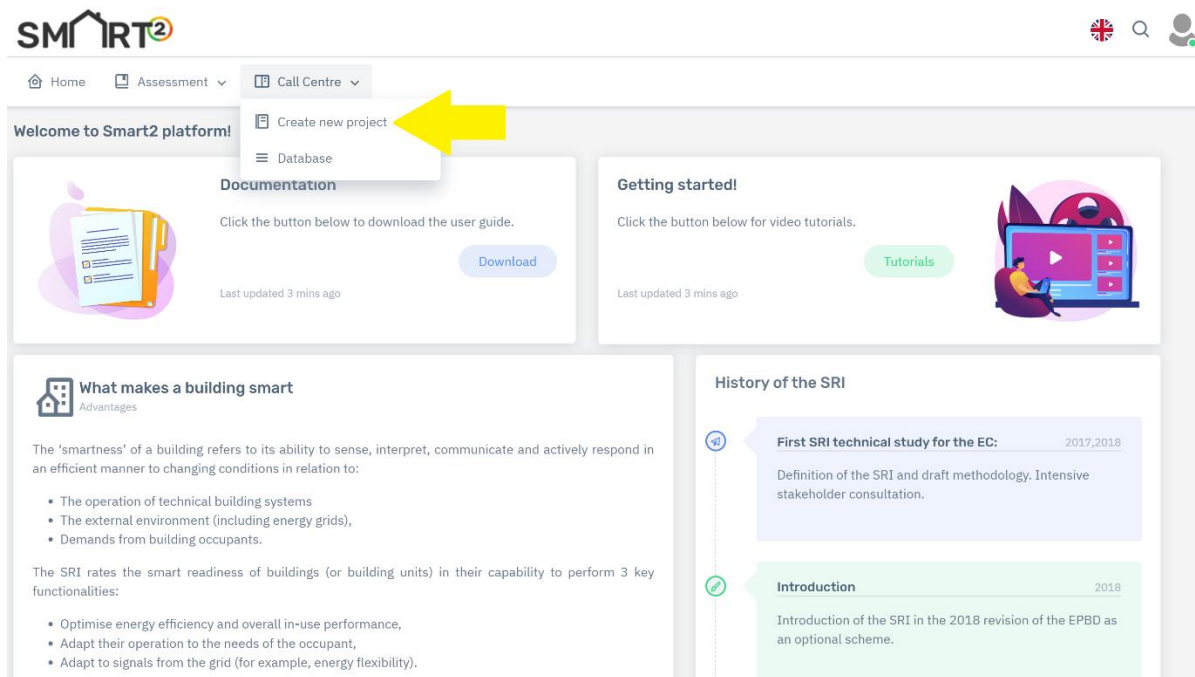
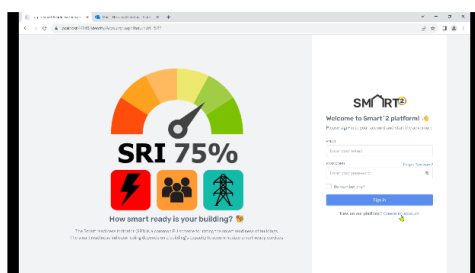


Figure 3: Home page

1. Click the button "Tutorials" to see an example first. (Figure 3-4)

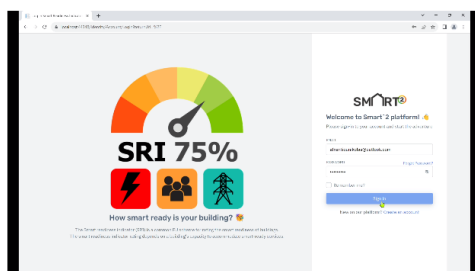
Video Tutorials



How to create a new user

1. To use the Smart*2 platform, creating an account is mandatory
2. You must have a valid email address to proceed.
3. Click the "Create an account" button to begin the creation process.
4. Follow the steps to "validate" your account.

Last updated 2 days ago



How to create a new Assessment

1. From the home page, proceed to the "Assessment" and click on "Create new project".
2. Begin by entering the required information, then click "Save" to proceed.
3. Next, click the "Edit" button and choose the preferred "Method".
4. In the wizard form, choose the "functionality level" of the available smart services for each domain you have selected, then click "Save".
5. Finally, the analytical results, including the "certificate", will be displayed.

Last updated 2 days ago

Figure 4: Video tutorials

2. Creating a New Assessment

The simplified Method A was foreseen to be mainly oriented towards small buildings with low complexity (single-family homes, small multi-family homes, small non-residential buildings, etc.). Method A uses a reduced set of services, thus requiring less effort and expertise to conduct the assessment.

In contrast, the more detailed Method B is mainly oriented towards buildings with a higher complexity (typically large non-residential buildings, potentially large multi-family homes). Both methods have a similar structure.

2.1 Procedure - Method A

- [1] From the home page, proceed to the **“Assessment”** tab and click on the first sub-tab labelled **“Create new project”** (See Figure 5).
- [2] Begin by entering the required information about the assessor, the building's general information, and the present domains, then click 'Save' to proceed. (See Figure 6).
- [3] Next, click the **“Edit”** button and choose **“Method A”**. (See Figure 7 and Figure 8).
- [4] In the wizard form, choose the functionality level of the available smart services for each domain you have selected, then click **“Save”**. (See Figure 9 and Figure 10).
- [5] Finally, the analytical results, including the certificate, will be displayed (See Figure 11 -Figure 17).

Note: To revisit the results any time, click **“Project Database”** under the **“Assessment”** tab, then select **“Method A”** from the **“Results”** section.

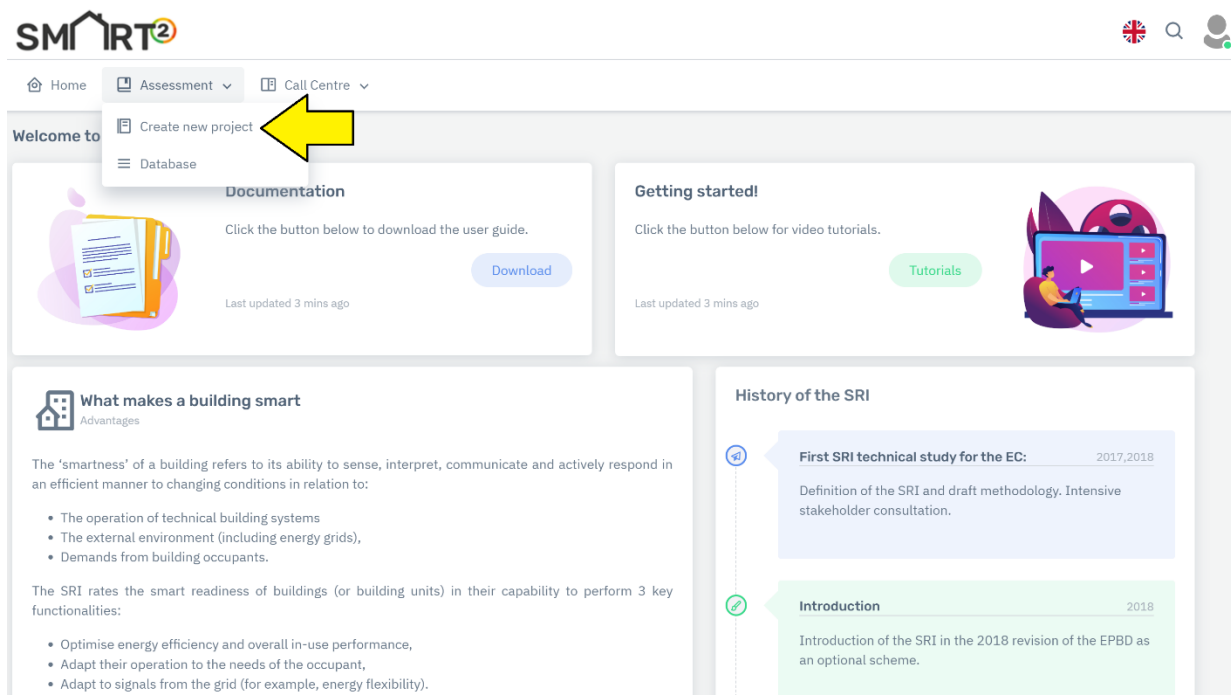


Figure 5: Home page

ASSESSOR INFORMATION

BUILDING'S NAME: [input] ASSESSOR NAME: [input]

ORGANISATION: [input] DATE: dd/mm/yyyy

EMAIL: [input] TELEPHONE NUMBER: [input]

GENERAL BUILDING INFORMATION

BUILDING TYPE: Residential BUILDING USAGE: residential - single-family house

LOCATION: Cyprus NET FLOOR AREA OF THE BUILDING: <200 m2

YEAR OF CONSTRUCTION: <1960 BUILDING STATE: Original

BRIEF DESCRIPTION: [input] ADDRESS: [input]

PREFERRED WEIGHTINGS: User defined USER: afxentiounikolas@gmail.com

DOMAINS PRESENT

Heating Domestic hot water

Cooling Ventilation

Lighting Dynamic building envelope

Electricity Electric vehicle charging

Monitoring and control

Save **Back**

Figure 6: Input data

Home Assessment Call Centre

Create new project

Database

Show 10 entries Search: [input]

Building's Name	Assesor Name	User	Actions	Results
example-01_Method_A	Nikolas	afxentiounikolas@gmail.com	Edit Delete	MethodA MethodB

Showing 1 to 1 of 1 entries

Previous 1 Next

Figure 7: Edit button

Method A **Edit** Method B **Edit**

ASSESSOR INFORMATION

BUILDINGID: example-01_validation ASSESSOR NAME: Nikolas

ORGANISATION: FU DATE: 06/02/2024

E-MAIL ADDRESS: nikolas.654@hotmail.com TELEPHONE NUMBER: 97737777

GENERAL BUILDING INFORMATION

BUILDING TYPE: non-residential BUILDING USAGE: other

LOCATION: Cyprus NET FLOOR AREA: 1.000-10.000 m2

YEAR OF CONSTRUCTION: <1960 BUILDING STATE: Original

BRIEF DESCRIPTION: example ADDRESS: Nikou Xilourf

PREFERRED WEIGHTINGS: Default USER: afxentiounikolas@gmail.com

DOMAINS PRESENT

Heating Domestic Hot Water

Cooling Ventilation

Lighting Dynamic Envelope

Electricity Electric Vehicle Charging

Monitoring and Control

Save **Back**

Figure 8: Edit view - Method A

Figure 9: Form wizard – input data

Figure 10: Save changes

2.1.1 Result – Method A

After clicking “Save”, you will be redirected to the results page. There are two options for exporting the certificate: the “Print” button and the “Send to Email” button*. To revisit the results at any time, click “Project Database” under the “Assessment” tab, then select “Method A” from the “Results” section.

A variety of result types are displayed:

- [1] **Certificate:** the total SRI score and class.
- [2] **Impact scores:** are the impact scores for each criterion, considering domain weightings.
- [3] **Domain scores:** are the domain scores for each domain, considering impact weightings.
- [4] **Detailed scores:** are the detailed scores for each domain and each impact criterion, which results in a matrix for nine domains and seven criteria.
- [5] **Aggregated scores:** are the aggregated scores for three key functionalities.

*Note: Allow pop-up windows to export Certificate, click again if needed. (Figure 16 and Figure 17)

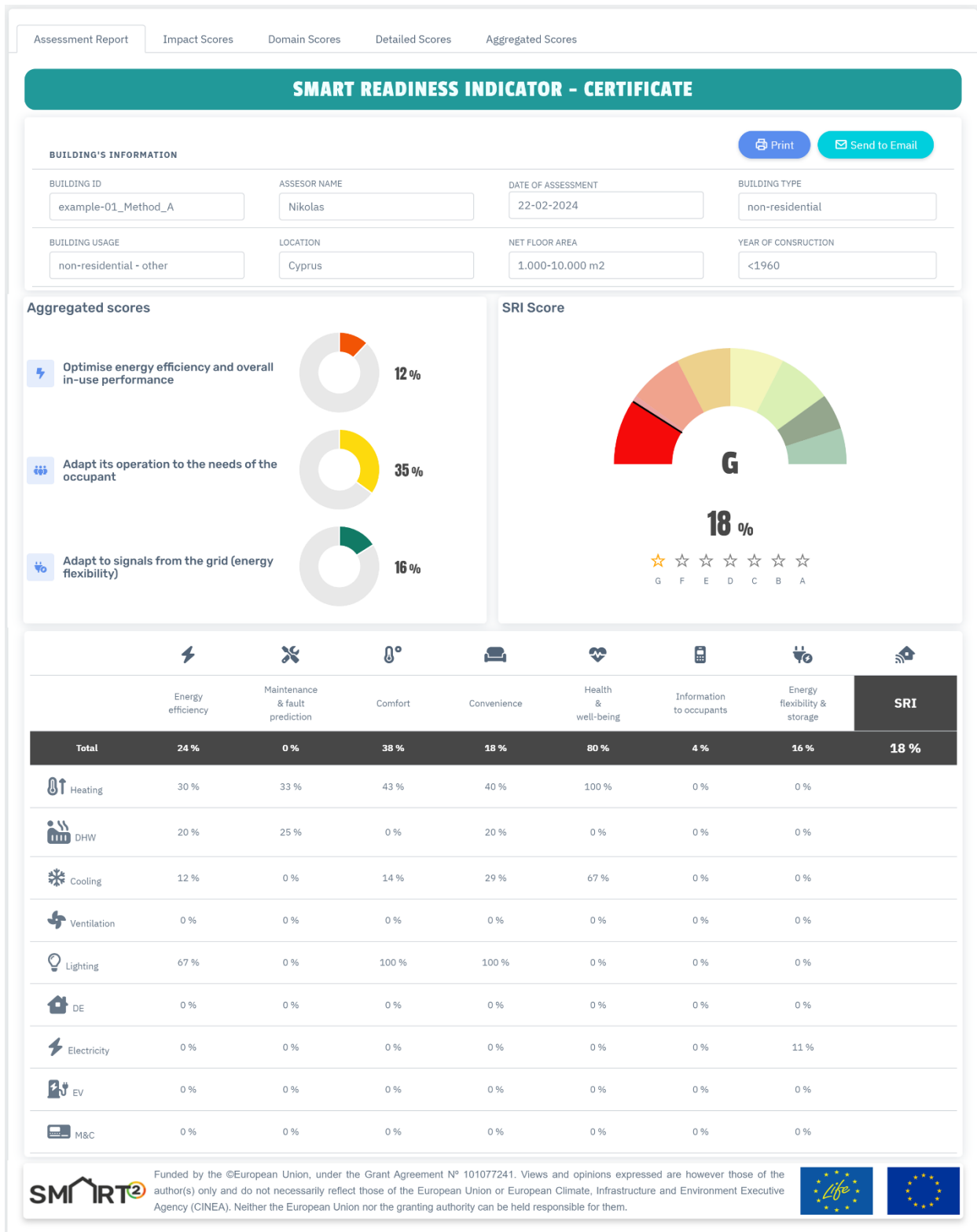


Figure 11: Certificate

Assessment Report **Impact Scores** Domain Scores Detailed Scores Aggregated Scores

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IMPACT SCORES

Energy efficiency	24	%
Energy flexibility and storage	16	%
Comfort	38	%
Convenience	18	%
Health, well-being and accessibility	80	%
Maintenance and fault prediction	0	%
Information to occupants	4	%

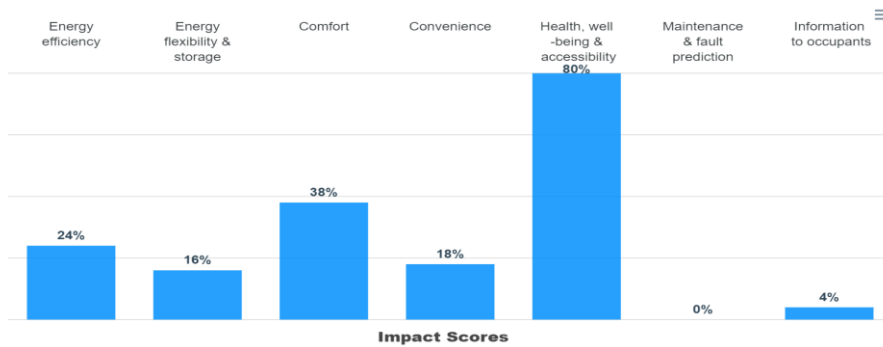


Figure 12: Impact Scores

Assessment Report Impact Scores **Domain Scores** Detailed Scores Aggregated Scores

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DOMAIN SCORES

Heating	31	%
Domestic Hot Water	16	%
Cooling	11	%
Ventilation	0	%
Lighting	83	%
Dynamic Envelope	0	%
Electricity	1	%
Electric Vehicle Charging	0	%
Monitoring & Control	0	%

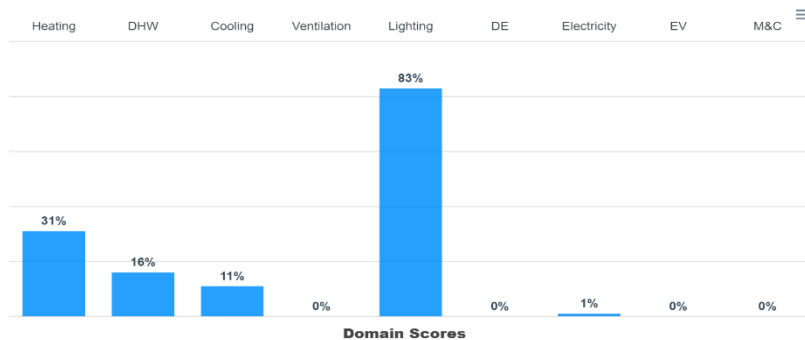


Figure 13: Domain scores

Assessment Report Impact Scores Domain Scores **Detailed Scores** Aggregated Scores

DOMAINS		ENERGY EFFICIENCY	ENERGY FLEXIBILITY & STORAGE	COMFORT	CONVENIENCE	HEALTH & WELL-BEING	INFORMATION TO OCCUPANTS	MAINTENANCE & FAULT PREDICTION
Heating		30 %	33 %	43 %	40 %	100 %	0 %	0 %
DHW		20 %	25 %	0 %	20 %	0 %	0 %	0 %
Cooling		12 %	0 %	14 %	29 %	67 %	0 %	0 %
Ventilation		0 %	0 %	0 %	0 %	0 %	0 %	0 %
Lighting		67 %	0 %	100 %	100 %	0 %	0 %	0 %
Dynamic Envelope		0 %	0 %	0 %	0 %	0 %	0 %	0 %
Electricity		0 %	0 %	0 %	0 %	0 %	0 %	11 %
EV		0 %	0 %	0 %	0 %	0 %	0 %	0 %
M&C		0 %	0 %	0 %	0 %	0 %	0 %	0 %

Figure 14: Detailed scores

Assessment Report Impact Scores Domain Scores Detailed Scores **Aggregated Scores**

	KEY FUNCTIONALITY 1 - BUILDING		KEY FUNCTIONALITY 2 - USER		KEY FUNCTIONALITY 3 - GRID	
Aggregated scores - main	12	%	35	%	16	%
Heating	15	%	46	%	33	%
Domestic Hot Water	10	%	10	%	25	%
Cooling	6	%	28	%	0	%
Controlled ventilation	0	%	0	%	0	%
Lighting	67	%	100	%	0	%
Dynamic Envelope	0	%	0	%	0	%
Electricity	0	%	6	%	0	%
Electric Vehicle Charging	0	%	0	%	0	%
Monitoring & Control	0	%	0	%	0	%

Figure 15: Aggregated scores

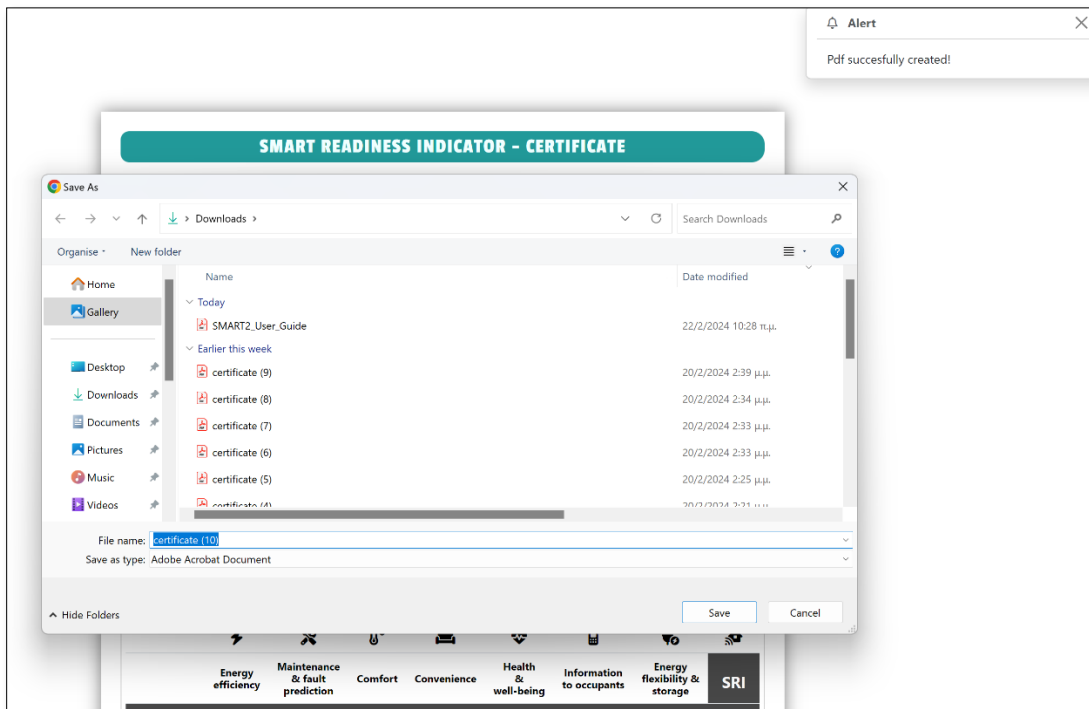


Figure 16: Export to pdf - pop-up window

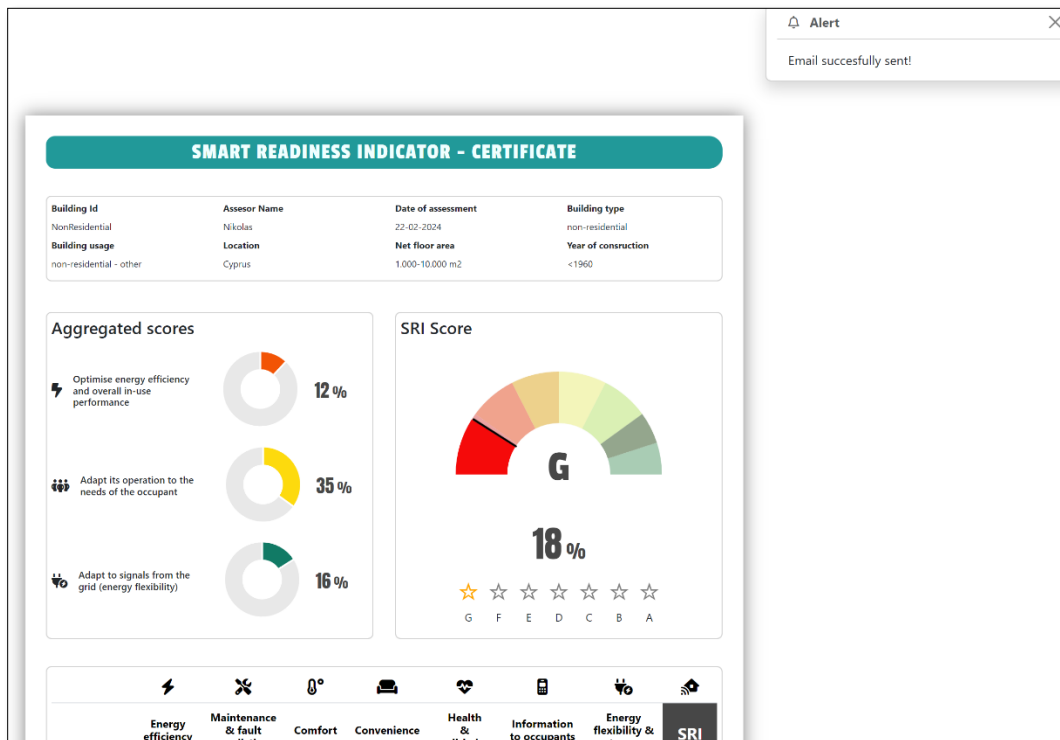


Figure 17: Send to email – pop-up window

2.2 Procedure - Method B

- [1] From the home page, proceed to the **“Assessment”** tab and click on the first sub-tab labelled **“Create new project”** (See Figure 18).
- [2] Begin by entering the required information about the assessor, the building's general information, and the present domains, then click **“Save”** to proceed. (See Figure 19).
- [3] Next, click the **“Edit”** button and choose **“Method B”**. (See Figure 20 and Figure 21).
- [4] In the wizard form, choose the functionality level of the available smart services for each domain you have selected, then click **“Save”**. (See Figure 22 and Figure 23).
- [5] Finally, the analytical results including the certificate, will be displayed (See Figure 24 - Figure 30).

Note: To revisit the results any time, click **“Project Database”** under the **“Assessment”** tab, then select **“Method B”** from the **“Results”** section.

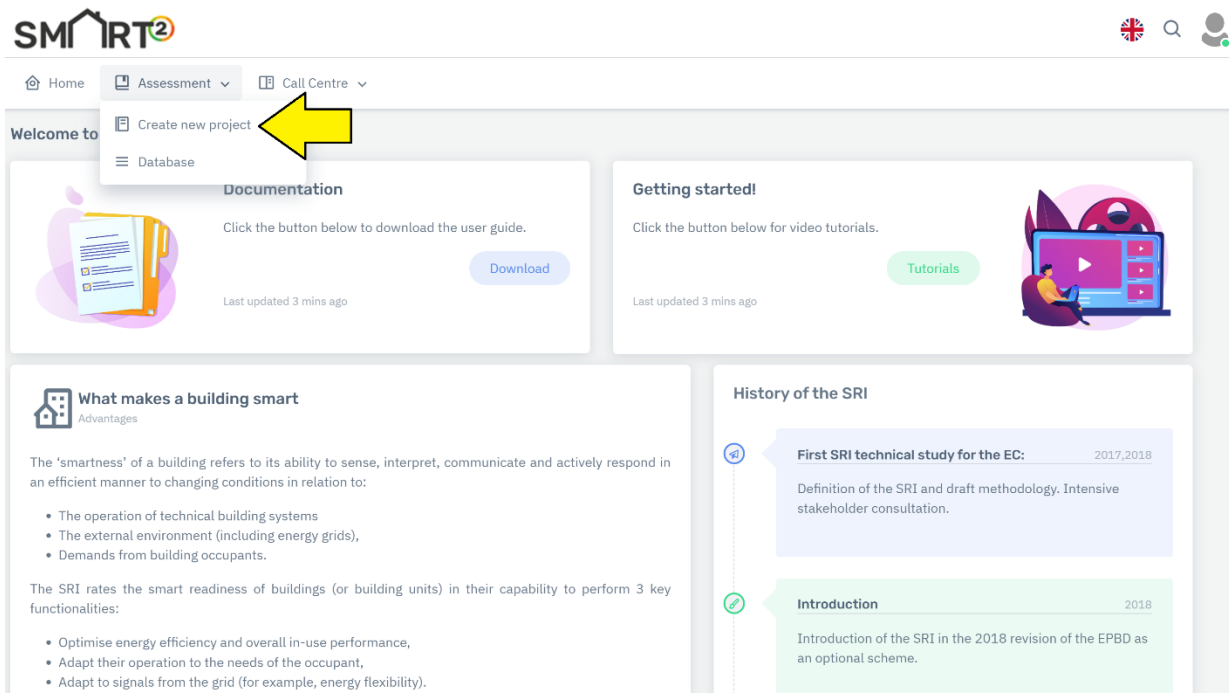


Figure 18: Home page

ASSESSOR INFORMATION

BUILDING'S NAME: [input] ASSESSOR NAME: [input]

ORGANISATION: [input] DATE: dd/mm/yyyy

EMAIL: [input] TELEPHONE NUMBER: [input]

GENERAL BUILDING INFORMATION

BUILDING TYPE: Residential BUILDING USAGE: residential - single-family house

LOCATION: Cyprus NET FLOOR AREA OF THE BUILDING: <200 m2

YEAR OF CONSTRUCTION: <1960 BUILDING STATE: Original

BRIEF DESCRIPTION: [input] ADDRESS: [input]

PREFERRED WEIGHTINGS: User defined USER: afxentiounikolas@gmail.com

DOMAINS PRESENT

Heating Domestic hot water

Cooling Ventilation

Lighting Dynamic building envelope

Electricity Electric vehicle charging

Monitoring and control

Save **Back**

Figure 19: Input data

Home Assessment Call Centre

Create new project

Database

Show 10 entries Search: [input]

Building's Name	Assessor Name	User	Actions	Results
example-01_Method_A	Nikolas	afxentiounikolas@gmail.com	Edit Delete	MethodA MethodB
Building's Name	Assessor Name	User	Actions	Results

Showing 1 to 1 of 1 entries

Previous 1 Next

Figure 20: Edit button

Method A Method B

ASSESSOR INFORMATION

BUILDINGID: example-01_validation ASSESSOR NAME: Nikolas

ORGANISATION: FU DATE: 06/02/2024

E-MAIL ADDRESS: nikolas.654@hotmail.com TELEPHONE NUMBER: 97737777

GENERAL BUILDING INFORMATION

BUILDING TYPE: non-residential BUILDING USAGE: other

LOCATION: Cyprus NET FLOOR AREA: 1.000-10.000 m2

YEAR OF CONSTRUCTION: <1960 BUILDING STATE: Original

BRIEF DESCRIPTION: example ADDRESS: Nikou Xilouri

PREFERRED WEIGHTINGS: Default USER: afxentiounikolas@gmail.com

DOMAINS PRESENT

Heating Domestic Hot Water

Cooling Ventilation

Lighting Dynamic Envelope

Electricity Electric Vehicle Charging

Monitoring and Control

Save **Back**

Figure 21: Edit view - Method B

Method B

Heating System
Functionality level

BUILDING ID:

Heating System

Functionality level details

HEATING EMISSION CONTROL	<input type="text" value="No automatic control"/>
EMISSION CONTROL FOR TABS (HEATING MODE)	<input type="text" value="No automatic control"/>
STORAGE AND SHIFTING OF THERMAL ENERGY	<input type="text" value="None"/>
CONTROL OF DISTRIBUTION PUMPS IN NETWORKS	<input type="text" value="No automatic control"/>
THERMAL ENERGY STORAGE (TES) FOR BUILDING HEATING (EXCLUDING TABS)	<input type="text" value="Continuous storage operation"/>
HEAT GENERATOR CONTROL (ALL EXCEPT HEAT PUMPS)	<input type="text" value="Constant temperature control"/>
HEAT GENERATOR CONTROL (FOR HEAT PUMPS)	<input type="text" value="On/Off-control of heat generator"/>
SEQUENCING IN CASE OF DIFFERENT HEAT GENERATORS	<input type="text" value="Priorities only based on running time"/>
REPORT INFORMATION REGARDING HEATING SYSTEM PERFORMANCE	<input type="text" value="None"/>
FLEXIBILITY AND GRID INTERACTION	<input type="text" value="No automatic control"/>

[< Previous](#) [Next >](#)

Figure 22: Form wizard – input data

Method B

Monitoring and Control
Functionality level

BUILDING ID:

Monitoring and Control

Functionality level details

RUN TIME MANAGEMENT	<input type="text"/>
DETECTING FAULTS OF AND PROVIDING SUPPORT FOR THESE FAULTS	<input type="text"/>
OCCUPANCY DETECTION	<input type="text"/>
CENTRAL REPORTING OF ENERGY USE	<input type="text"/>
SMART GRID INTEGRATION	<input type="text"/>
REPORTING INFORMATION REGARDING MANAGEMENT PERFORMANCE	<input type="text"/>
VERRIDE OF DSM CONTROLS	<input type="text"/>
SINGLE PLATFORM THAT ALLOWS AUTOMATED CONTROL & COORDINATION BETWEEN TBS AND OPTIMIZATION OF ENERGY FLOW BASED ON OCCUPANCY, WEATHER AND GRID SIGNALS	<input type="text" value="None"/>

[< Previous](#) [Save](#)

Are you sure?

Do you want to save the changes?

Figure 23: Save changes

2.2.1 Result – Method B

After clicking **“Save”**, you will be redirected to the results page. There are two options for exporting the certificate: the **“Print”** button and the **“Send to Email”** button*. To revisit the results at any time, click **“Project Database”** under the **“Assessment”** tab, then select **“Method B”** from the **“Results”** section.

A variety of result types are displayed:

- [1] **Certificate:** the total SRI score and class.
- [2] **Impact scores:** are the impact scores for each criterion, considering domain weightings.
- [3] **Domain scores:** are the domain scores for each domain, considering impact weightings.
- [4] **Detailed scores:** are the detailed scores for each domain and each impact criterion, which results in a matrix for nine domains and seven criteria.
- [5] **Aggregated scores:** are the aggregated scores for three key functionalities.

***Note:** Allow pop-up windows to export Certificate, click again if needed. (Figure 29 and Figure 30)

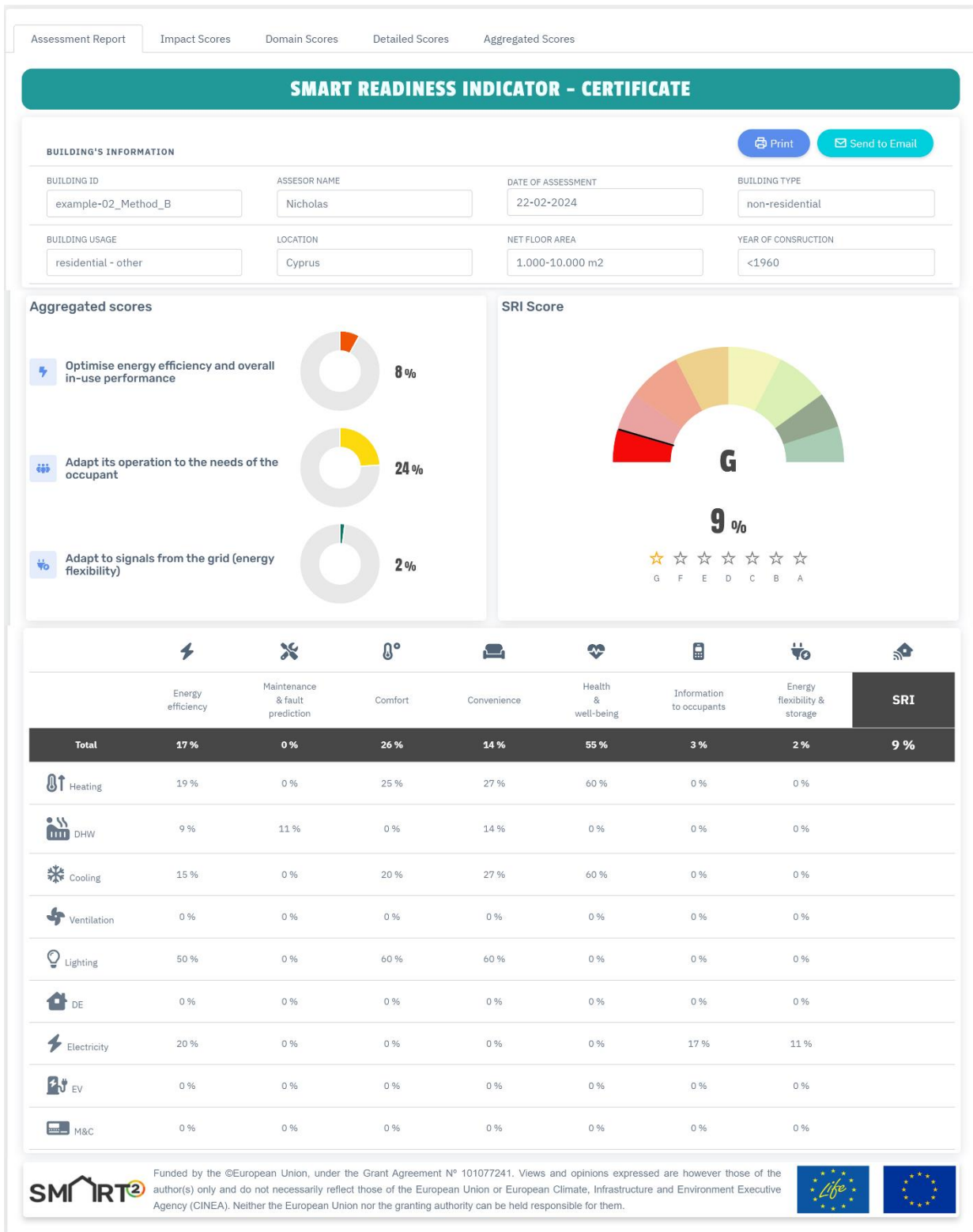


Figure 24: Certificate

Assessment Report **Impact Scores** Domain Scores Detailed Scores Aggregated Scores

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IMPACT SCORES

Energy efficiency	17	%
Energy flexibility and storage	2	%
Comfort	26	%
Convenience	14	%
Health, well-being and accessibility	55	%
Maintenance and fault prediction	0	%
Information to occupants	3	%

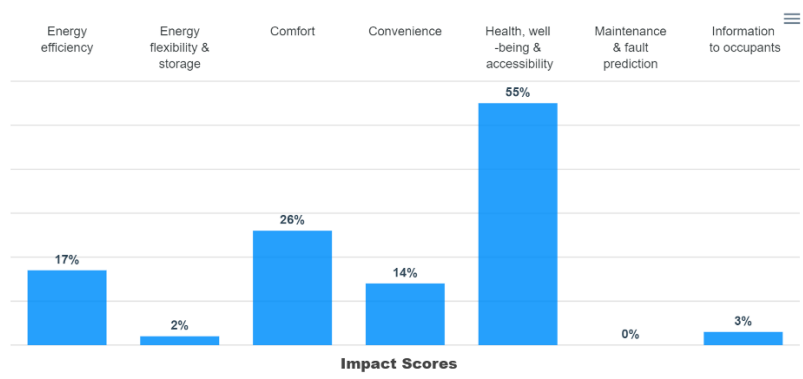


Figure 25: Impact Scores

Assessment Report Impact Scores **Domain Scores** Detailed Scores Aggregated Scores

Copy Excel Print

DOMAIN SCORES

Heating	12	%
Domestic Hot Water	8	%
Cooling	11	%
Ventilation	0	%
Lighting	55	%
Dynamic Envelope	0	%
Electricity	9	%
Electric Vehicle Charging	0	%
Monitoring & Control	0	%

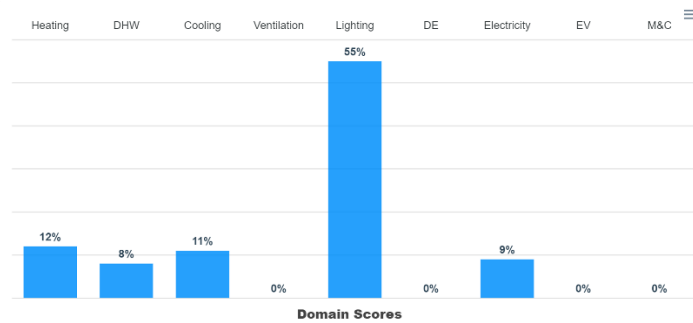


Figure 26: Domain scores

Assessment Report Impact Scores Domain Scores **Detailed Scores** Aggregated Scores

[Copy](#) [Excel](#) [Print](#)

DOMAINS	ENERGY EFFICIENCY	ENERGY FLEXIBILITY & STORAGE	COMFORT	CONVENIENCE	HEALTH & WELL-BEING	INFORMATION TO OCCUPANTS	MAINTENANCE & FAULT PREDICTION
Heating	19 %	0 %	25 %	27 %	60 %	0 %	0 %
DHW	9 %	11 %	0 %	14 %	0 %	0 %	0 %
Cooling	15 %	0 %	20 %	27 %	60 %	0 %	0 %
Ventilation	0 %	0 %	0 %	0 %	0 %	0 %	0 %
Lighting	50 %	0 %	60 %	60 %	0 %	0 %	0 %
Dynamic Envelope	0 %	0 %	0 %	0 %	0 %	0 %	0 %
Electricity	20 %	0 %	0 %	0 %	0 %	17 %	11 %
EV	0 %	0 %	0 %	0 %	0 %	0 %	0 %
M&C	0 %	0 %	0 %	0 %	0 %	0 %	0 %

Figure 27: Detailed scores

Assessment Report Impact Scores Domain Scores **Detailed Scores** Aggregated Scores

[Copy](#) [Excel](#) [Print](#)

	KEY FUNCTIONALITY 1 - BUILDING		KEY FUNCTIONALITY 2 - USER		KEY FUNCTIONALITY 3 - GRID	
Aggregated scores - main	8	%	24	%	2	%
Heating	10	%	28	%	0	%
Domestic Hot Water	4	%	7	%	11	%
Cooling	8	%	27	%	0	%
Controlled ventilation	0	%	0	%	0	%
Lighting	50	%	60	%	0	%
Dynamic Envelope	0	%	0	%	0	%
Electricity	18	%	6	%	0	%
Electric Vehicle Charging	0	%	0	%	0	%
Monitoring & Control	0	%	0	%	0	%

Figure 28: Aggregated scores

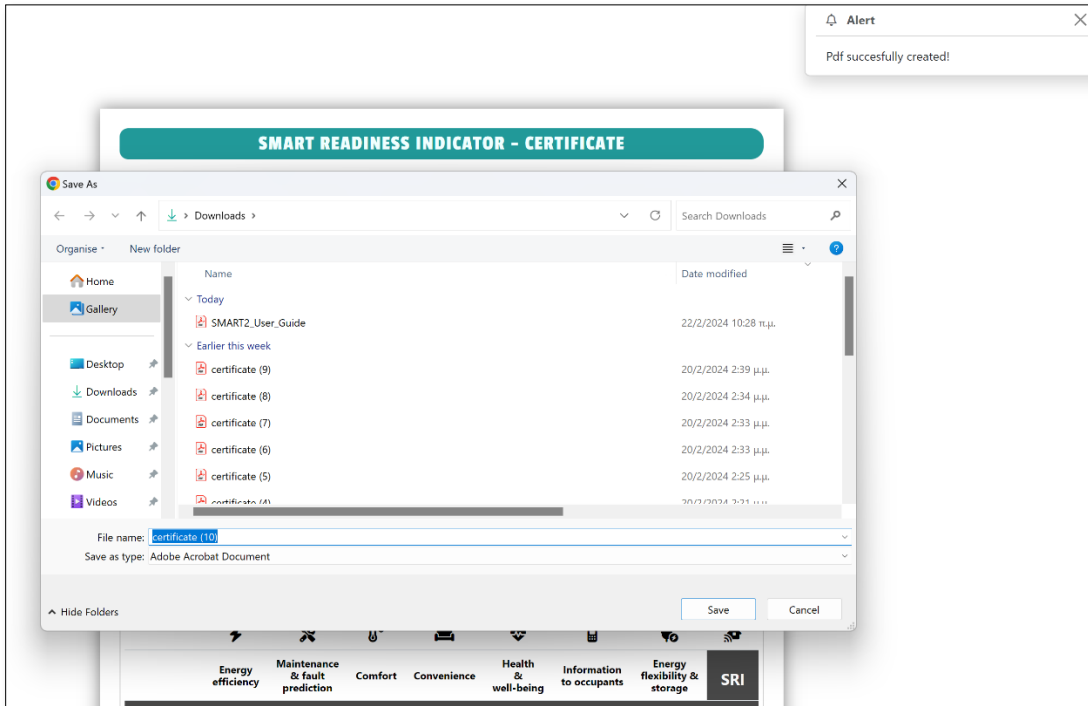


Figure 29: Export to pdf - pop-up window

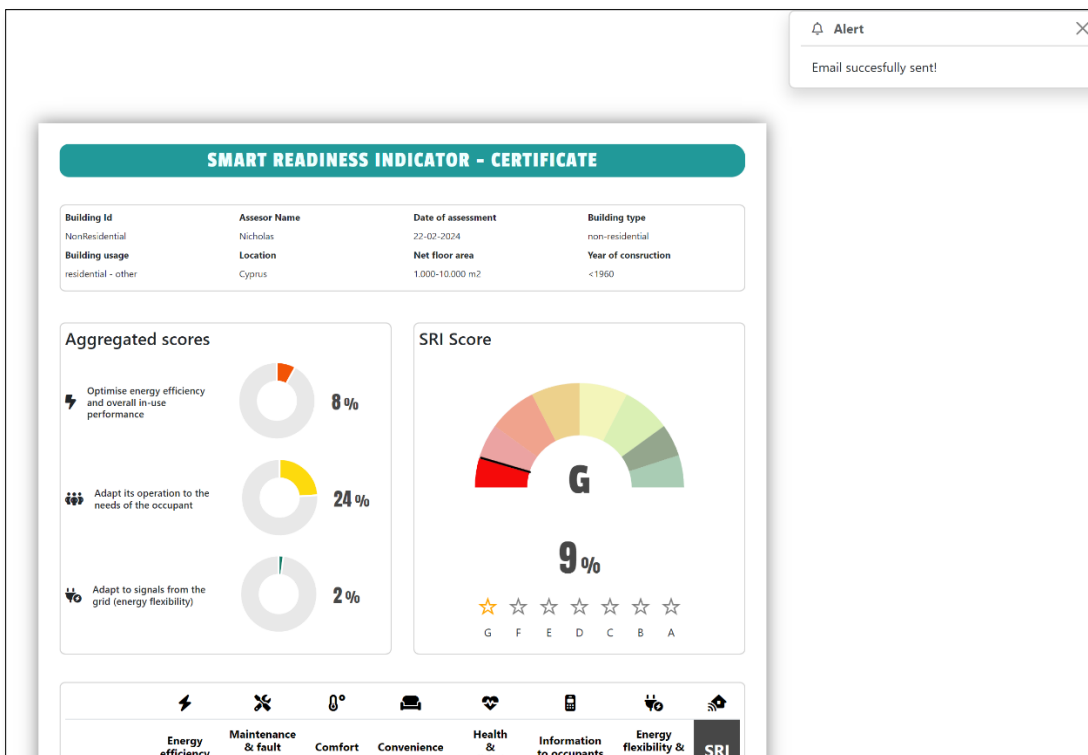


Figure 30: Send to email – pop-up window

3. Call Centre

The Simplified Method takes an even more streamlined approach than Method A, featuring an oversimplified service catalogue. It adopts a checklist approach, enabling users to quickly navigate the assessment. This method is designed to be exceptionally time-efficient, with the evaluation taking less than 10 minutes. Additionally, it supports self-assessment, allowing individuals to conduct the assessment independently without needing expert guidance.

3.1 Procedure

- [1] From the home page, proceed to the Call Centre and click on the first sub-tab labelled “**Create a new project**”. (See Figure 31).
- [2] Complete the questionnaire provided and then click on “**Submit**” to proceed. (See Figure 32 and Figure 33).
- [3] Finally, click the “**Report**” button within the table to view the certificate and all analytical results. (See Figure 34).

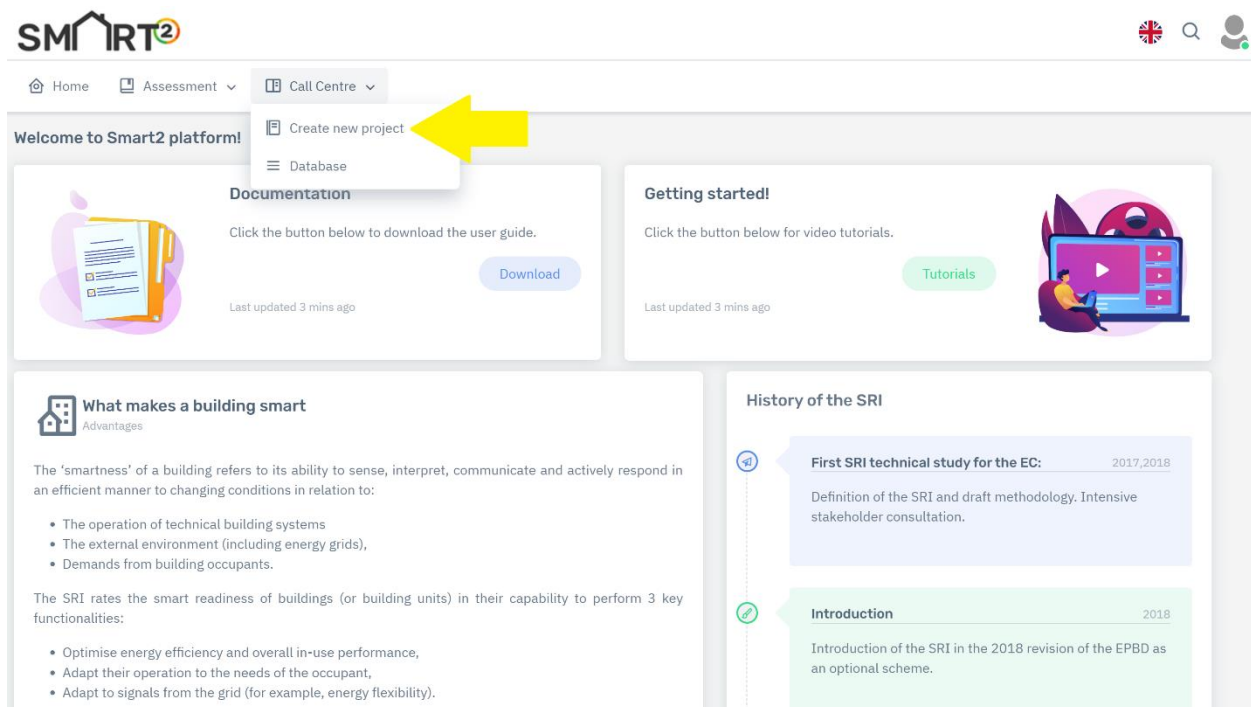


Figure 31: Home page

SRI Call Centre - Questionnaire

1. Building Information

BUILDING ID E-MAIL ADDRESS

Building type:

RESIDENTIAL NON RESIDENTIAL

Location:

NORTH EUROPE WEST EUROPE
 SOUTH EUROPE NORTH-EAST EUROPE
 SOUTH-EAST EUROPE

Are the following technical building systems present in your building?

HEATING DOMESTIC HOT WATER
 COOLING VENTILATION
 LIGHTING DYNAMIC ENVELOPE
 ELECTRICITY ELECTRIC VEHICLE CHARGING
 MONITORING AND CONTROL

2. How is the heating system in your building currently controlled? Please select the most appropriate option from the following:

NO AUTOMATIC CONTROL CENTRAL AUTOMATIC CONTROL
 INDIVIDUAL ROOM CONTROL INDIVIDUAL ROOM CONTROL WITH COMMUNICATION
 INDIVIDUAL ROOM CONTROL WITH COMMUNICATION AND OCCUPANCY DETECTION

3. How do you currently control your heat generator or heating system, and do you have any hot water storage in place?

HEAT PUMPS	ALL EXCEPT HEAT PUMPS	STORAGE
ON/OFF CONTROL OF HEAT GENERATOR <input checked="" type="checkbox"/>	CONSTANT TEMPERATURE CONTROL <input type="checkbox"/>	NONE <input checked="" type="checkbox"/>
MULTI-STAGE CAPACITY CONTROL <input type="checkbox"/>	VARIABLE TEMPERATURE CONTROL BASED ON OUTDOOR TEMPERATURE <input type="checkbox"/>	AVAILABLE HW STORAGE VESSELS <input type="checkbox"/>
VARIABLE CONTROL BASED ON LOAD OR DEMAND <input type="checkbox"/>	VARIABLE TEMPERATURE CONTROL BASED ON LOAD <input type="checkbox"/>	HW STORAGE VESSELS CONTROLLED BY EXTERNAL SIGNALS/BACS OR G
CONTROL OF HEAT GENERATOR CAPACITY BASED ON LOAD AND GRID SIGNALS <input type="checkbox"/>		AUTOMATIC CHARGING CONTROL BASED ON LOCAL RENEWABLES OR GI

4. How do you receive performance reports for your heating system? Please select the most appropriate option from the following list:

5. How do you control your domestic hot water system? Please select the most suitable option:

6. How do you receive reports on your domestic hot water system's performance? Please select the most suitable option:

7. How is your cooling system controlled? Please select the most suitable option:

8. How do you control your cooling system's production? Please select the most suitable option:

9. How do you receive reports on your cooling system's performance and its grid integration? Please select one option for cooling system and one for the grid.

10. How do you control your ventilation system, and what kind of ventilation reporting or information do you get? Please select one option for the control and one for the report:

Figure 32: Questionnaire

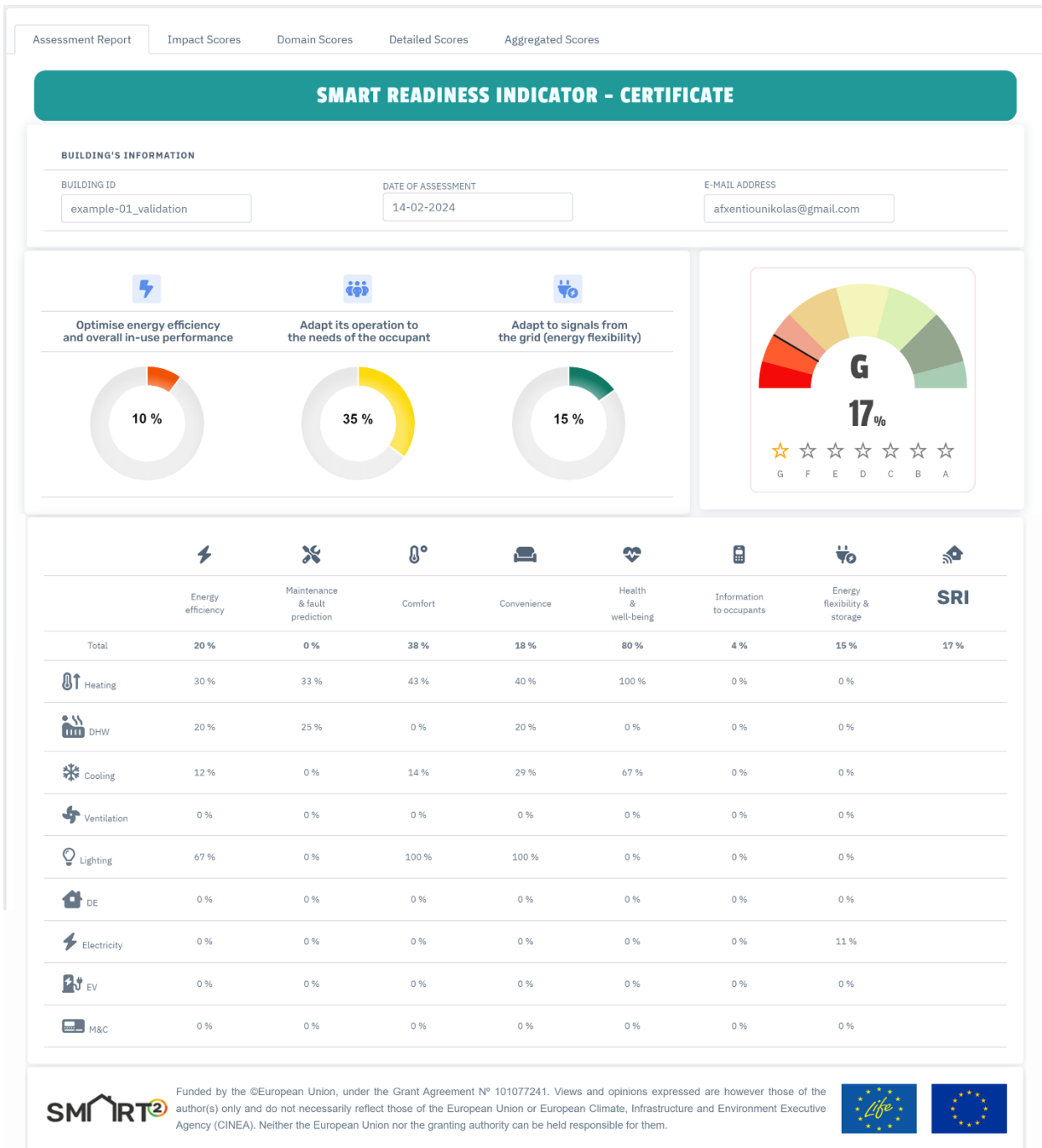


Figure 35: Certificate

Copy Excel Print

IMPACT SCORES

Energy efficiency	55	%
Energy flexibility and storage	33	%
Comfort	71	%
Convenience	57	%
Health, well-being and accessibility	75	%
Maintenance and fault prediction	0	%
Information to occupants	0	%

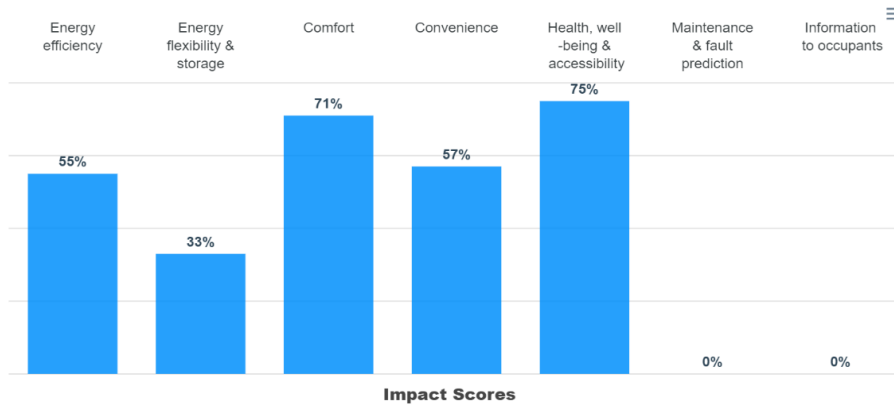


Figure 36: Impact scores

Copy Excel Print

DOMAIN SCORES

Heating	51	%
DHW	0	%
Cooling	45	%
Ventilation	0	%
Lighting	0	%
Dynamic Envelope	0	%
Electricity	0	%
EV	0	%
Monitoring & Control	0	%

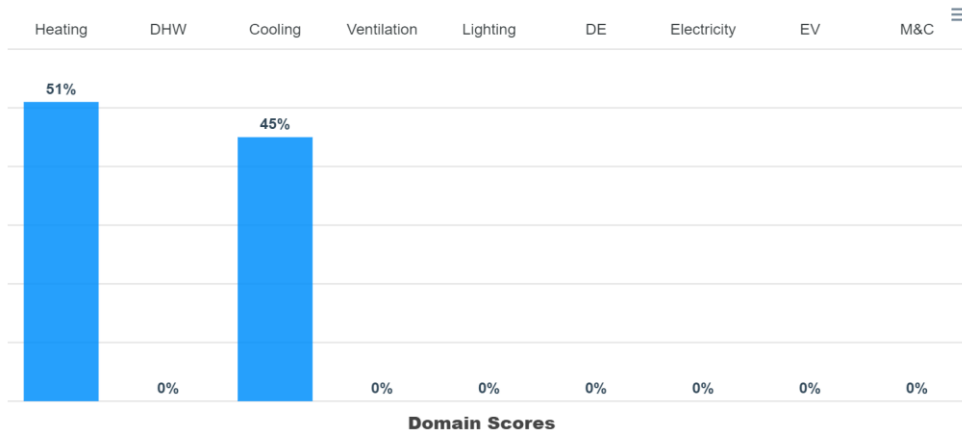


Figure 37: Domain scores

Assessment Report Impact Scores Domain Scores **Detailed Scores** Aggregated Scores

Copy Excel Print

DOMAINS	ENERGY EFFICIENCY	ENERGY FLEXIBILITY & STORAGE	COMFORT	CONVENIENCE	HEALTH & WELL-BEING	INFORMATION TO OCCUPANTS	MAINTENANCE & FAULT PREDICTION
Heating	40 %	33 %	57 %	43 %	100 %	0 %	0 %
DHW	0 %	0 %	0 %	0 %	0 %	0 %	0 %
Cooling	33 %	0 %	50 %	33 %	50 %	0 %	0 %
Ventilation	0 %	0 %	0 %	0 %	0 %	0 %	0 %
Lighting	0 %	0 %	0 %	0 %	0 %	0 %	0 %
Dynamic Envelope	0 %	0 %	0 %	0 %	0 %	0 %	0 %
Electricity	0 %	0 %	0 %	0 %	0 %	0 %	0 %
EV	0 %	0 %	0 %	0 %	0 %	0 %	0 %
M&C	0 %	0 %	0 %	0 %	0 %	0 %	0 %

Figure 38: Detailed scores

Assessment Report Impact Scores Domain Scores **Detailed Scores** Aggregated Scores

Copy Excel Print

	KEY FUNCTIONALITY 1 - BUILDING		KEY FUNCTIONALITY 2 - USER		KEY FUNCTIONALITY 3 - GRID	
Aggregated scores - main	28	%	51	%	33	%
Heating	40	%	73	%	33	%
Domestic Hot Water	0	%	0	%	0	%
Cooling	33	%	46	%	0	%
Controlled ventilation	0	%	0	%	0	%
Lighting	0	%	0	%	0	%
Dynamic Envelope	0	%	0	%	0	%
Electricity	0	%	0	%	0	%
Electric Vehicle Charging	0	%	0	%	0	%
Monitoring & Control	0	%	0	%	0	%

Figure 39: Aggregated scores

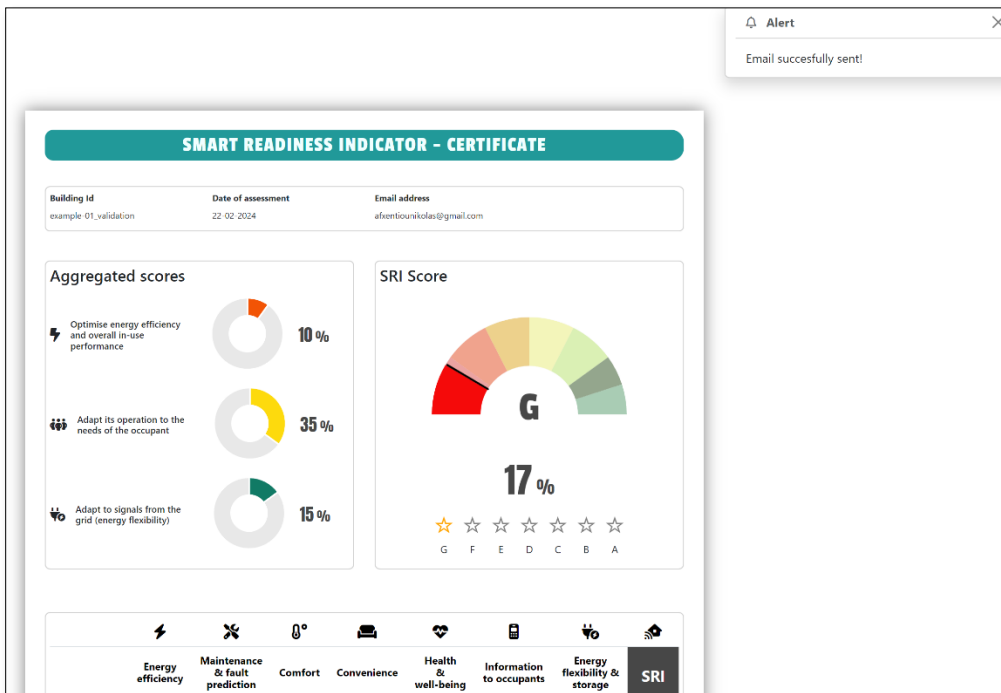


Figure 40: Export to pdf - pop-up window

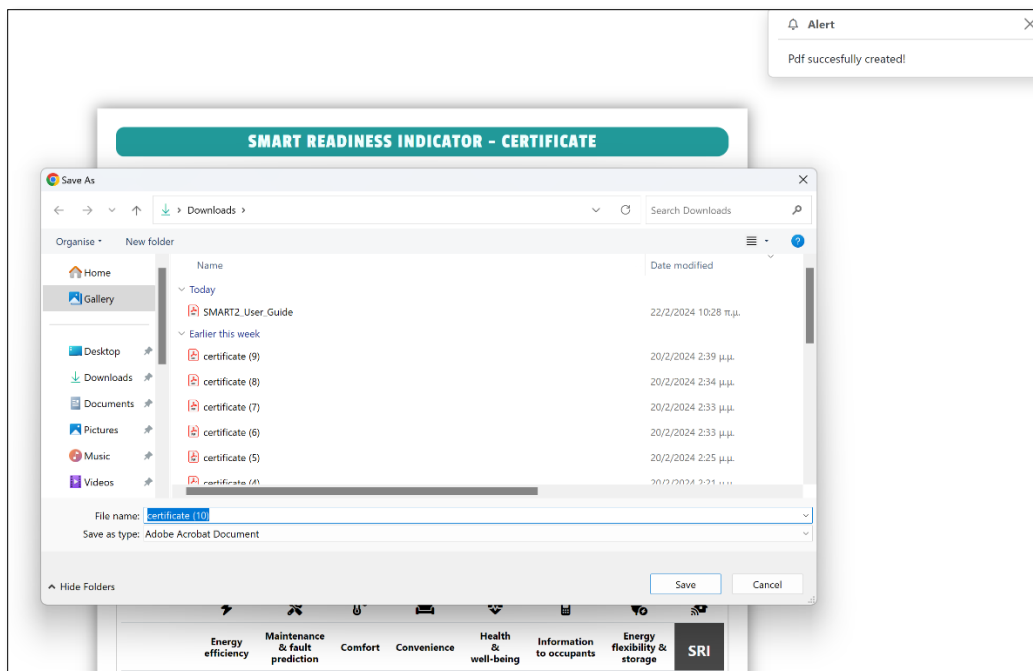


Figure 41: Send to email – pop-up window