EUROPEAN HVAC PRODUCT DATABASE FOR MANUFACTURERS

PRODBIM – DATA SOLUTIONS

PRODBIM – Eurovent Summit – Oct. 2022
Increasing need in data in Building Industry

Standardisation transformation

Multiple platforms for data publication

Recopy with typing mistake risks or missing data

Need to create strong links between manufacturer’s data and projects users

Mandatory for all public buildings in Germany from 2023, in Italy from 2025
Services overview

1. **HARMONISATION**
   - Multi-countries contexts
   - Catalogue & custom products

2. **MANUFACTURERS**
   - Your Product Sheets files
   - Your Various Databases
   - Your ERP
   - Your e-catalogue

3. **MARKET**
   - Several Connectors On-demand
   - BIM software & platforms (eg. Revit, IFC, ...)
   - Regulatory request (eg. EPREL, ...)
   - Local Databases (eg. ECC, Edibatec, ...)
   - Resellers (eg. ETIM, ...)

**European Product Data Solution**

One PIM portal
USE CASE AIR CONDITIONING LEADER

- Leader (2021: 65 millions air conditioners, from single split to large chiller, 30 billion € turnover)
- Data on Eurovent Certita Certification website
- Data available in Edibatec
- Need to answer about public buildings, but also appetite of prescribers for data
  - 2021: opening of a BIM library
  - Mi-2021 already **1500 downloads** (1/3 in UK)
  - 2022: 1st BIM object BIM including certified data

MOST OF MANUFACTURERS

- ECC data available on Eurovent Certita Certification website
- Sometimes present on local databases like Edibatec or VDI3805
  - EPREL (European energy label) to be declared or to update (still beta version)
  - Some not yet in BIM
FEATURES

▪ Creation/modification of products according to PRODBIM and ETIM taxonomies
▪ Association of digital assets (image, documents, etc.), 10 Go per Participant
▪ Eurovent Certita Certification product database automatically integrated
▪ Export data in Excel and json formats
▪ Available for both ECC certified and ECC non-certified products

▪ Under finalisation: **API management** for automated queries and updates
USE CASE PIM TOOL

MANUFACTURERS

Syndigo platform – Example: Media management
**DATABASE USED ON THE WHOLE LIFE CYCLE**

- Design
- Supply Chain
- Construction
- Asset Management

**BIM&CO CREATED BY AND FOR END-USERS**

- Onfly private library created 6 years ago
- Structure objects
- Improve data interoperability from one software to the other
- Boost collaboration between functions thanks to BIM process
- Ensure information continuity

**MARKET**

- **BIM&CO online public library** (230k users, 20k unique visitors/month), mostly used platform in France & Southern Europe
- Onfly: private BIM libraries of 26 key customers (Egis, Grupotec, Engie, Dalkia, ArcelorMittal, Equans, Veolia, etc.)
- **FISA** libraries (1st technical software in France)
- Export to **Traceparts** HVAC library (90k users)
- Revit Plug-in the most downloaded in Europe (100k users)

**COLLABORATION WITH EUROVENT CERTIFICATION**

- Certified data, can be 100% trusted (ex: RE2020)
Data transfer from one system to the other: ECC > PRODBIM > ONFLY > REVIT

**Automated link to Prodbim**

**Choice to open connector**
IN PRACTICE: GREE GMV-224WH/H-X
Data transfer from one system to another: ECC > PRODBIM > ONFLY > REVIT

Outdoor unit VRF GMV6 - Certified Eurovent
Created: 01/18/2022 by Bastien Jean
Last update: 01/20/2022 by Jack Pineau BIM

New generation of outdoor unit, GMV6 2U pipes.

Classification
- All-sourced variable refrigerant flow

BIM object available to the user in its own working environment

MANUFACTURERS
Dedicated BIM service, more qualitative

Data controls at chain beginning, certified data embedded, for trustworthy data objects

Competitive advantage, thanks to big products visibility

A single entry point saving time, improving productivity, data up-to-date

Opening new markets
INTRODUCTION - CONTEXT

- Need to better structure HVAC information if BIM objects
- Some national applications of BIM, not harmonised yet
- CEN TC442 is launching a BIM standard project dedicated to the HVAC sector, to define a dictionary model and an exchange format for HVAC product catalogues

HOW TO TACKLE THIS?

- CEN TC442 has made its call for experts but until now quite limited involvement of product manufacturers, risk is to have to have an uncomplete or inappropriate/inapplicable standard, opportunity is to keep the product definitions under control
- Information provided to Eurovent Commission and each Eurovent Product Group. Under discussion: settle a Eurovent horizontal Working Group/Task Force for the follow-up of the developments. Or each manufacturer to be registered in its own national standardisation body
Find the right BIM products
Search engine for HVAC & R products based on criterion that really matter

What are you looking for?
- heat pump, fan, air conditioner...
- category
- brand
- Search

User-friendly interface for product data enrichment, association with documents, choice of connectors
Dedicated support for the easiest data and files on-boarding
Data automatically synchronised from Eurovent Certification website
Connector available to EPREL database for energy efficiency labels
Connector to BIM&Co and OnFly, most downloaded Revit plug-in in Europe!

Discovery Offer
FREE!
1 range
1 BIM file
100 products

Standard
499€/month
20 ranges
20 BIM files
2 000 products

Advanced
Upon request
As many products as you need
FREE for models Eurovent certified!

Enrich now your certified data with BIM files to make them available in BIM projects!

Connect now!
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ECC, BIM&CO and PRODBIM facilitate access to certified data

Eurovent’s initiative PRODBIM partners with BIM&CO and Eurovent Certita Certification (ECC) to facilitate access to certified data in BIM software and exchanges. The partnership will accelerate creation of data and improve its reliability.

PRODBIM was created with the ambition of helping manufacturers to rationalise the distribution of their product data. The partnership between PRODBIM and BIM&CO will accelerate the creation of data and facilitate the digitalisation of manufacturers’ processes, ensuring considerable time savings for all users. PRODBIM’s association with ECC has the ambition to promote the use of certified product performances for more than 700 industrial members. In practice, three complementary solutions are deployed to meet this need, which are:

✓ Centralised management portal – PIM
✓ Connectors and partnerships to other platforms and tools
✓ Inter-classification correspondences and data dictionaries

In this context, PRODBIM, together with BIM&CO, has found a way to structure the certified data, to accelerate their availability and their use in the digital model. With the aim of facilitating the daily life of manufacturers, this partnership allows to distribute certified data in business software, exploit the certified status of products in a traditional and BIM process and mutualise the entry and maintenance of manufacturers data.

The two partners share many common objectives, all aligned with the desire to facilitate access to certified data in software and BIM exchanges. It is also a desire of promoting the need and harmonisation of data among manufacturers and valorisation of trusted product data. Eurovent and BIM&CO also seek to accelerate the creation of data by manufacturers, business and visibility of respective solutions and digitalisation of manufacturers’ processes.

PRODBIM is a subsidiary from Eurovent Services Company. Our mission is to support Heating, ventilation, Air-Conditioning and Refrigeration industry through its digital transformation challenges. With our Partners from all around Europe, we:

✓ Make easier product data management for HVAC&R industry;
✓ Create a trustworthy source of information for the construction market.

Let’s get in touch! contact@prodbim.com  
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New date!
European Product Registry for Energy Labelling (EPREL)

A European database, direct application from Regulation 2017/1369/EU

Objection to declare products
under applicable Energy labelling regulation
available on market after 1st Aug. 2017

Latest news: Supplier verification
+ Public interface since 28 March 2022
https://eprel.ec.europa.eu

Eurovent services to manage EPREL serenely: FREE for certified products!

Support for application of European regulation
Checklist information and documents to provide
Generation of EPREL file ready for upload

1. Manufacturer creates a login in EPREL official portal
2. We start supporting you for EPREL. We identify families of products to be declared
3. Manufacturer sends back his signed mandate including list of product families to deal with for EPREL
4. PRODBIM sends to manufacturer declaration template (partially pre-filled for certified products)
5. Manufacturer fills information in the template and sends back to Prodbim with required documents
6. Prodbim imports in its database the products information then generate EPREL payload
7. Manufacturer uploads the payload into EPREL portal, then he gets back the xml Eprel report
8. Manufacturer sends back the Eprel report to Prodbim who records Eprel numbers to manage updates

ECC = Eurovent Certita Certification
EPREL payload = EPREL zipped XML

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