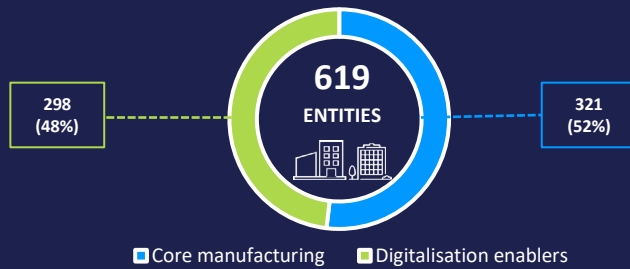


An ecosystem mapping, as developed by Luxinnovation's Market Intelligence department, is based on the establishment of a consolidated database of Luxembourg public and private entities (organisations, companies, etc.) that have similar profiles. This means that they belong to the same ecosystem or sector, target the same market, or use the same technology, for example.

WHAT IS COVERED BY THE MANUFACTURING ECOSYSTEM MAPPING?

The mapping of the manufacturing ecosystem in Luxembourg catalogues all the players active in this field, divided into two sub-groups:

- Core manufacturing businesses:** Luxembourg-based companies that primarily focus on manufacturing as their core business, or belong to a corporate group conducting manufacturing operations.
- Digitalisation enablers:** Luxembourg entities – private or public – that offer products, solutions and services enabling the digitalisation of core manufacturing businesses.



In the 2024 version of the manufacturing ecosystem mapping, 619 legal entities are listed (321 core businesses and 298 digitalisation enablers). This is 18% less than in the 2021 version.

This difference in the total number of entities is mainly due to a stricter selection of core manufacturing companies: businesses with activities closer to craftsmanship than to manufacturing or with too little economic substance in Luxembourg are excluded in the current version.

HOW WAS THE MANUFACTURING ECOSYSTEM MAPPING DONE?

The manufacturing ecosystem mapping is based on an approach that maintains flexibility in data processing and facilitates data updating. The mapping methodology follows five main steps:

Step 1: Scope definition

The scope of mapping manufacturing was defined jointly with experts from the Materials & Manufacturing Cluster and the Digital Innovation Hub (DIH), in order to meet all the needs of the ecosystem's stakeholders.

Step 2: Identification and selection of relevant sources

The main types of sources used for the manufacturing mapping are:

- Luxinnovation knowledge about Luxembourg companies
- Specialised associations
- Company websites
- Corporate databases

Each source is queried according to its data structure (themes, classification, keywords, etc.) to match the result as closely as possible to the scope of the manufacturing ecosystem mapping.

Step 3: Selection and classification of relevant entities

This step consists in validating whether each identified entity (public entity or private company) should be part of the mapping or not, as well as of enriching the information about the selected entities. It is carried out jointly by market intelligence analysts and sector experts.

Each entity is classified according to the following classification nomenclature:

Classification	Core manufacturing businesses	Digitalisation enablers
Key technologies	✓	✓
Targeted market(s)	✓	✓
Activity type(s) in LU	✓	✓
Manufacturing subsector	✓	
Manufacturing topics	✓	
Type of enabler		✓

Step 4: Database enrichment with complementary data

At this stage, the database is enriched with additional data to add value to the mapping analysis. Here are the main data additions and their sources:

- Business description (Pitchbook, Dealroom, LinkedIn)
- National and global locations (EditusData, PitchBook)
- Entity and corporate group's workforce (EditusData, LinkedIn)
- Key financial figures (EditusData)
- Shareholders and ultimate owners (Orbis)
- Innovation metrics (Luxinnovation, IPIL, Dealroom)

Step 5: Design of a decision support tool

This final step is aimed at exploiting the database that has been set up to support the decision-making process of policy-makers and other stakeholders of the ecosystem. The following tools are provided:

- Interactive dashboard displaying the key figures of the manufacturing ecosystem in Luxembourg in a synthetic and dynamic way. You can discover and explore this dashboard [here](#).
- Monitoring tool offering access to the entire dataset to analyse and monitor the manufacturing ecosystem. The access to the monitoring tool is restricted.
- Key Insights reports providing an in-depth analysis of the manufacturing ecosystem, with the objective of better characterising and understanding this ecosystem.

Your feedback

For any request regarding this mapping, please feel free to contact us at:

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