



SYGNIS

SPÓŁKA AKCYJNA

We commercialize innovations

About SYGNIS

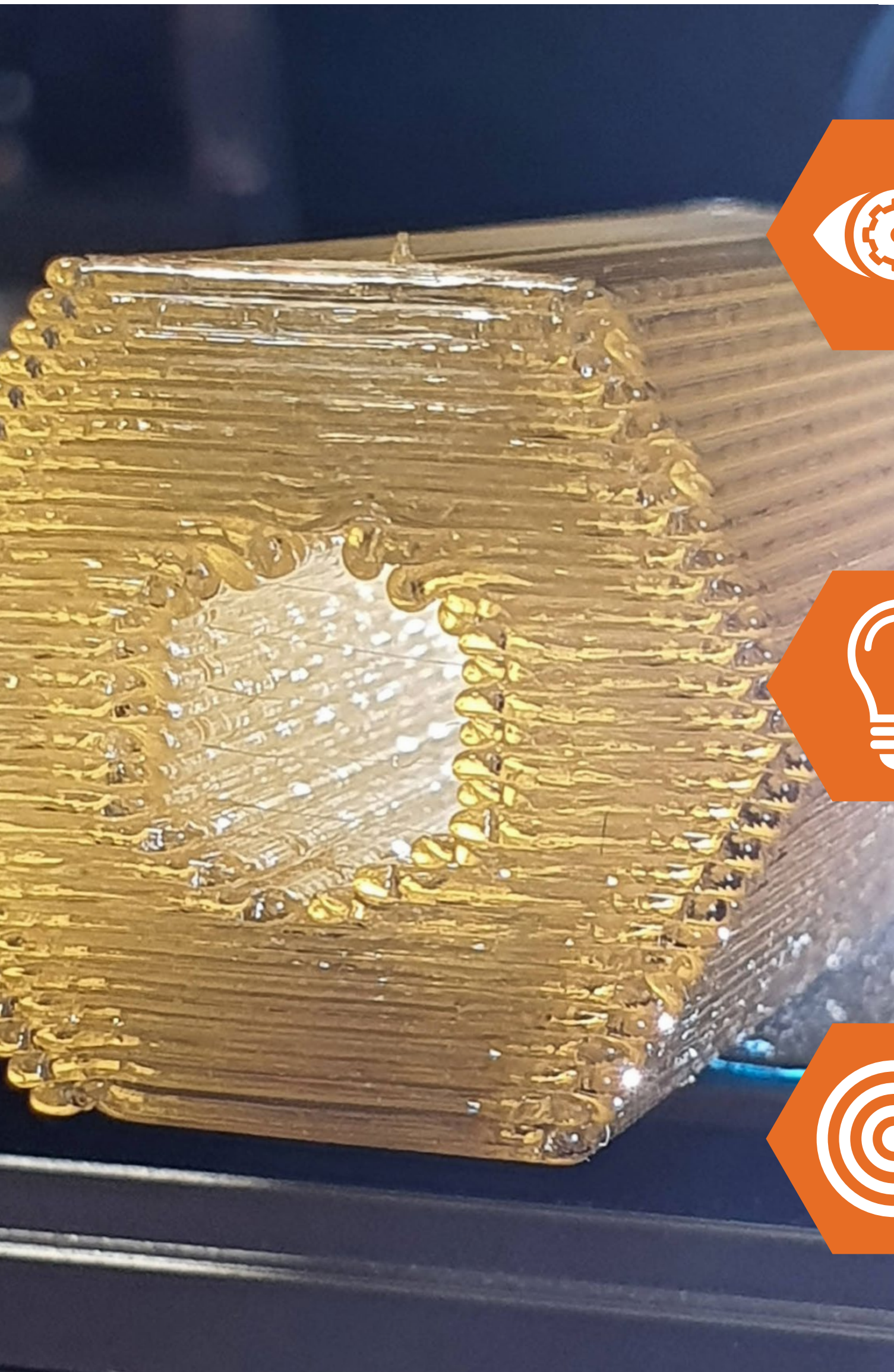
SYGNIS was created to develop research and development projects in the field of additive technology. The basis of their financing is operational activity

- sales of products and services, which resulted in the creation of a new business model.

Main business segments:

- 1. Original R&D works**
deeptech R&D work conducted by the SYGNIS team
in the area of additive technologies in the field of hardware
- 2. Production and sale of own products (Globally)**
sale of products resulting from proprietary R&D work
and services based on the developed technology
- 3. Distribution of products from other manufacturers (Regionally)**
sale of devices related to additive technologies and services
based on them and top scientific equipment





VISION

New business model for research companies



AMBITION

Providing innovative manufacturing technologies



GOAL

Becoming the largest hardware innovator in Europe

New Business Model

or how we differ from the standard model
of development of a R&D company

SYGNIS
SPÓŁKA AKCYJNA

A

Development
of new technologies
on a global scale
(**SYGLASS, DEPO**)

B

Development of smaller
projects, more quickly
implemented for sale
(improving competitiveness)

**We focus on technological development
with effective development of operational business.**

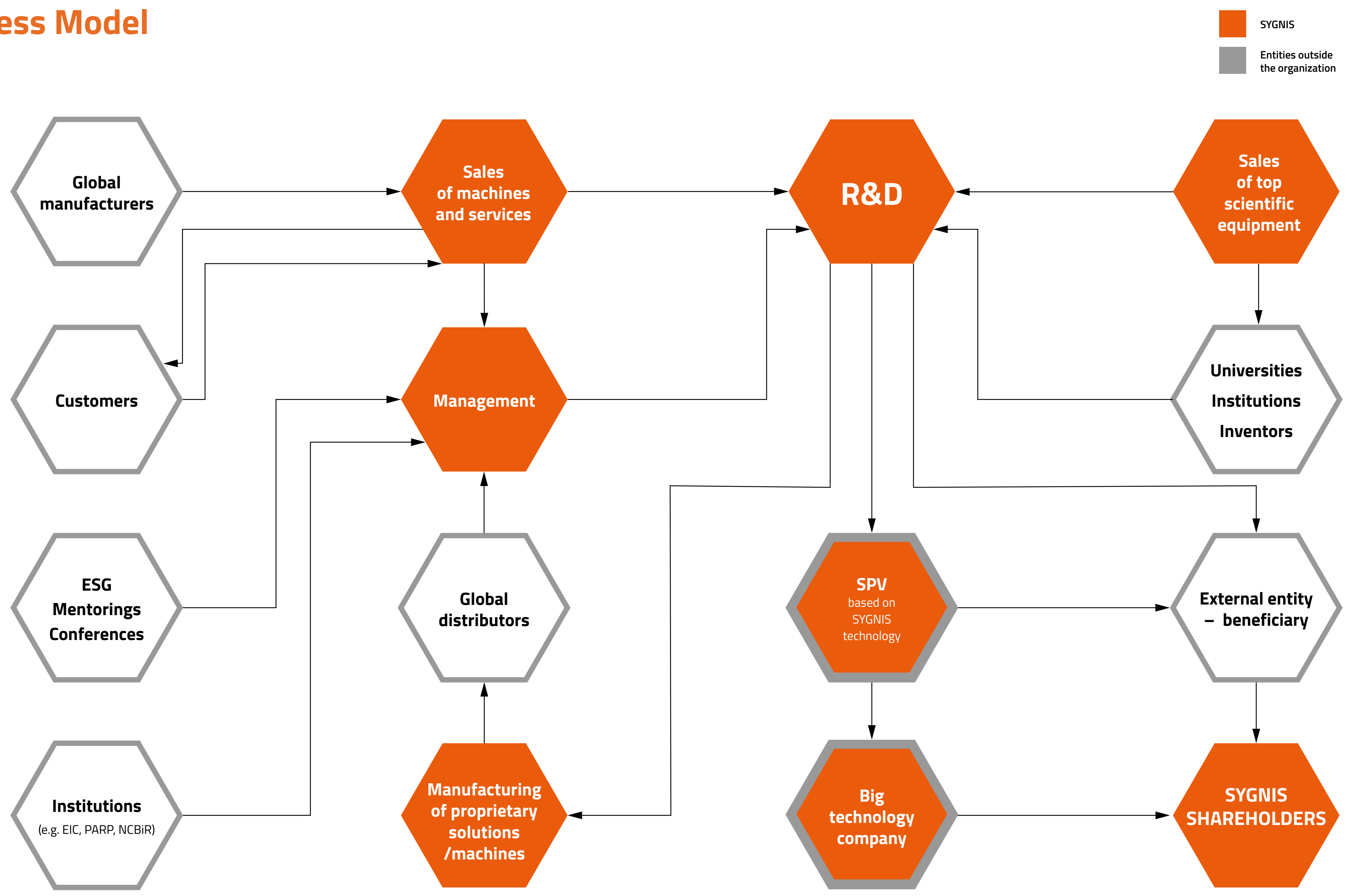
Standard model:

- investment outlay in full for a single R&D project
- focus on research work = no ongoing contact with the market
- no development of the operational team before the end of the project
- high investment risk: only after 4-5 years does the company begin to produce/implement the solution and test it on the market

Sygnis model:

- investment outlay for multiple projects, not necessary for all project needs
- operational department already present during the implementation of R&D projects provides up-to-date knowledge from the market, thanks to which created products and technologies respond to real market needs
- diversification of financial risk by providing a steady stream of income
- achieving milestones in R&D projects through creation cash-providing products/projects during them
- lower investment risk (multiple parallel projects, revenue-generating operations)

New Business Model

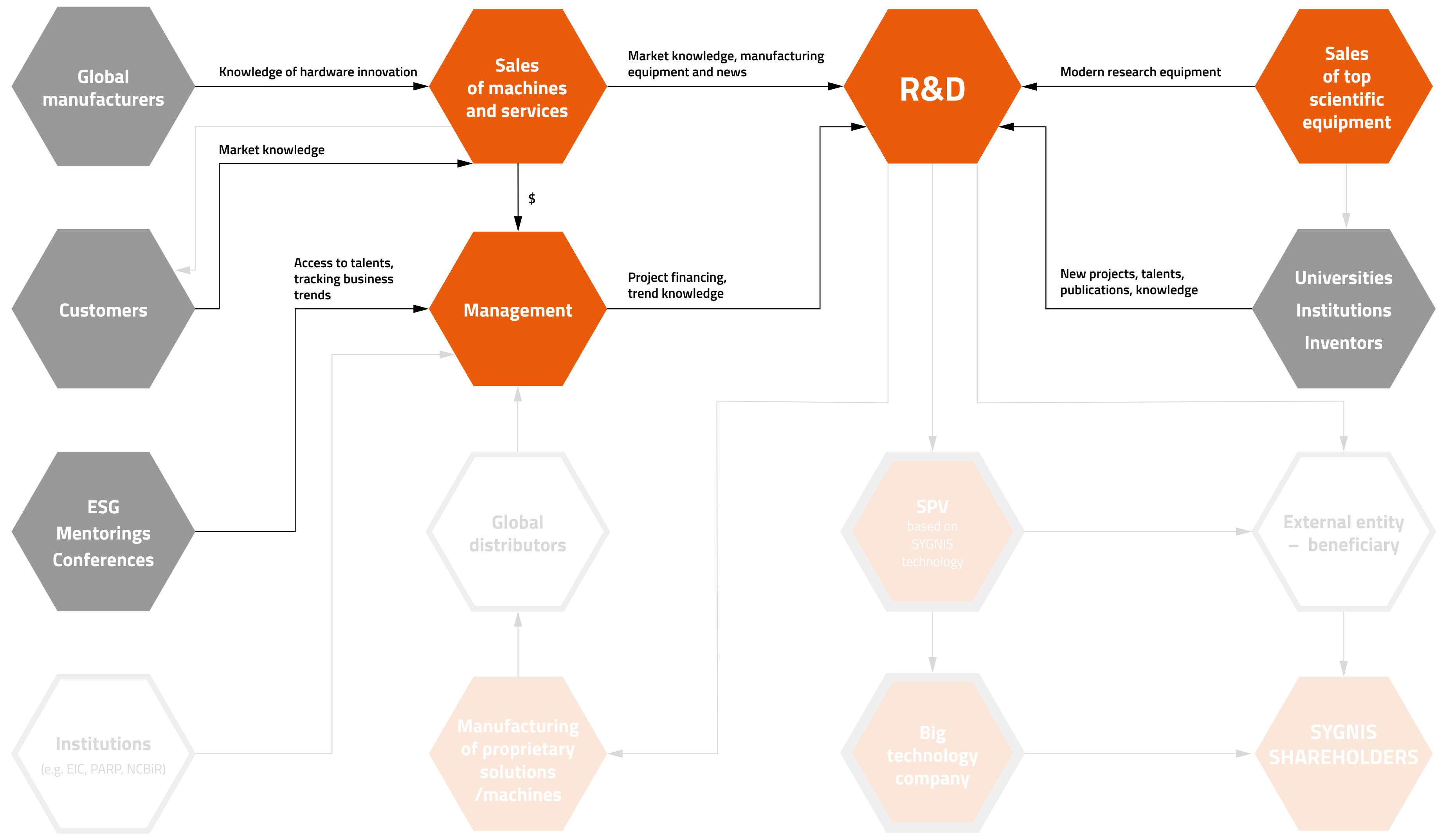


New Business Model

Creation of know-how

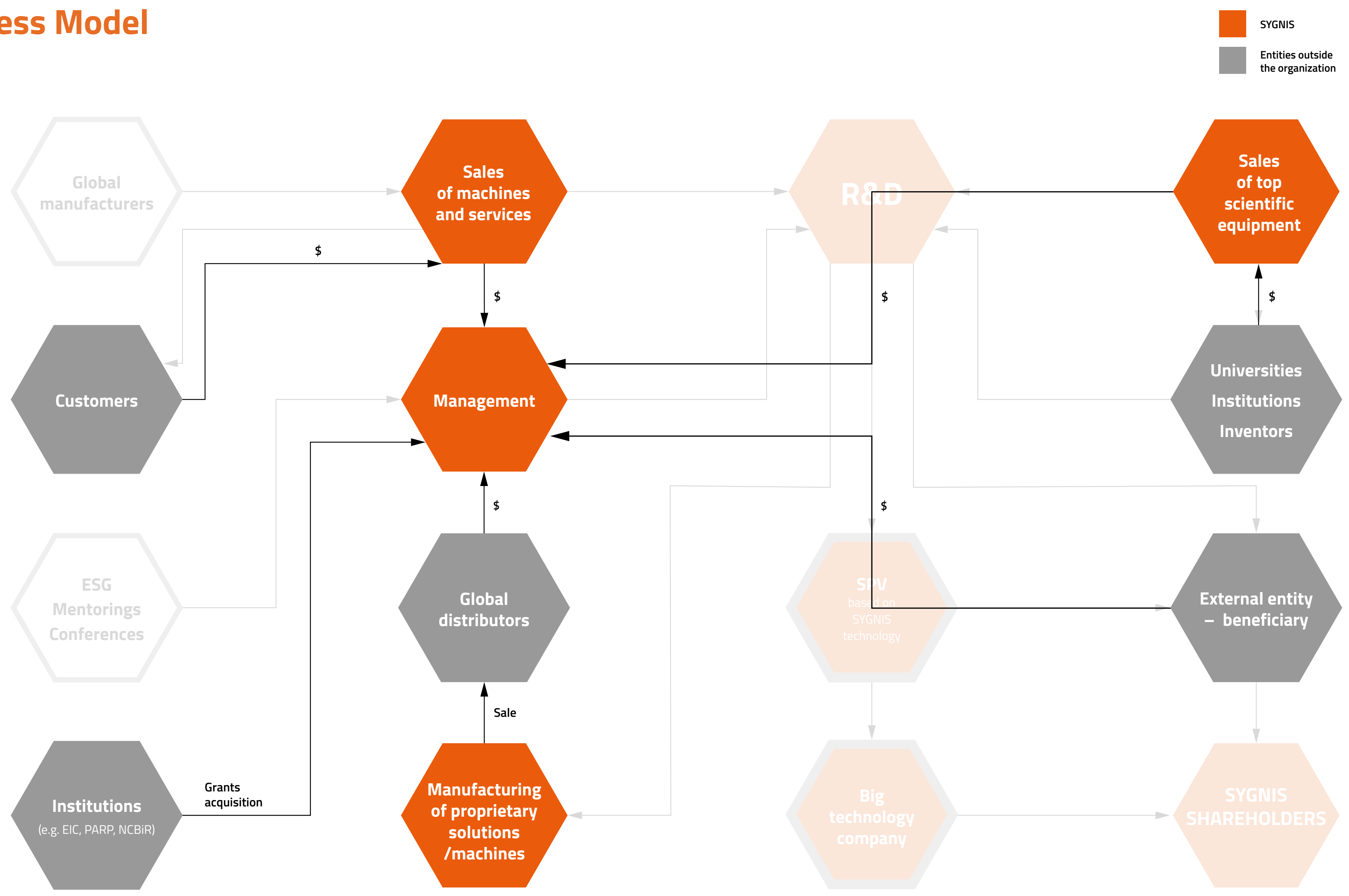
SYGNIS

Entities outside the organization



New Business Model

Money flow

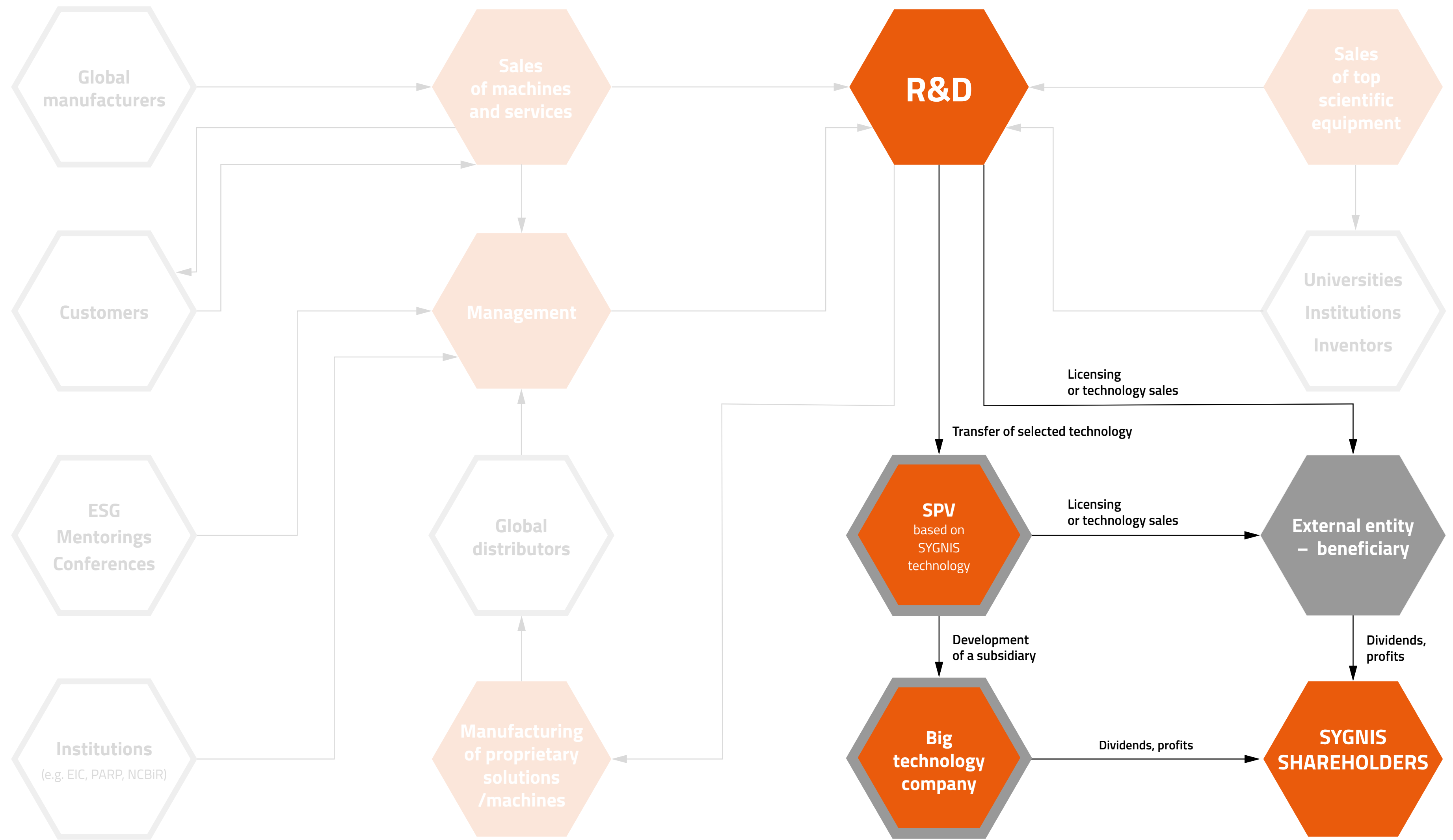


New Business Model

Commercialization by SPV

SYGNIS

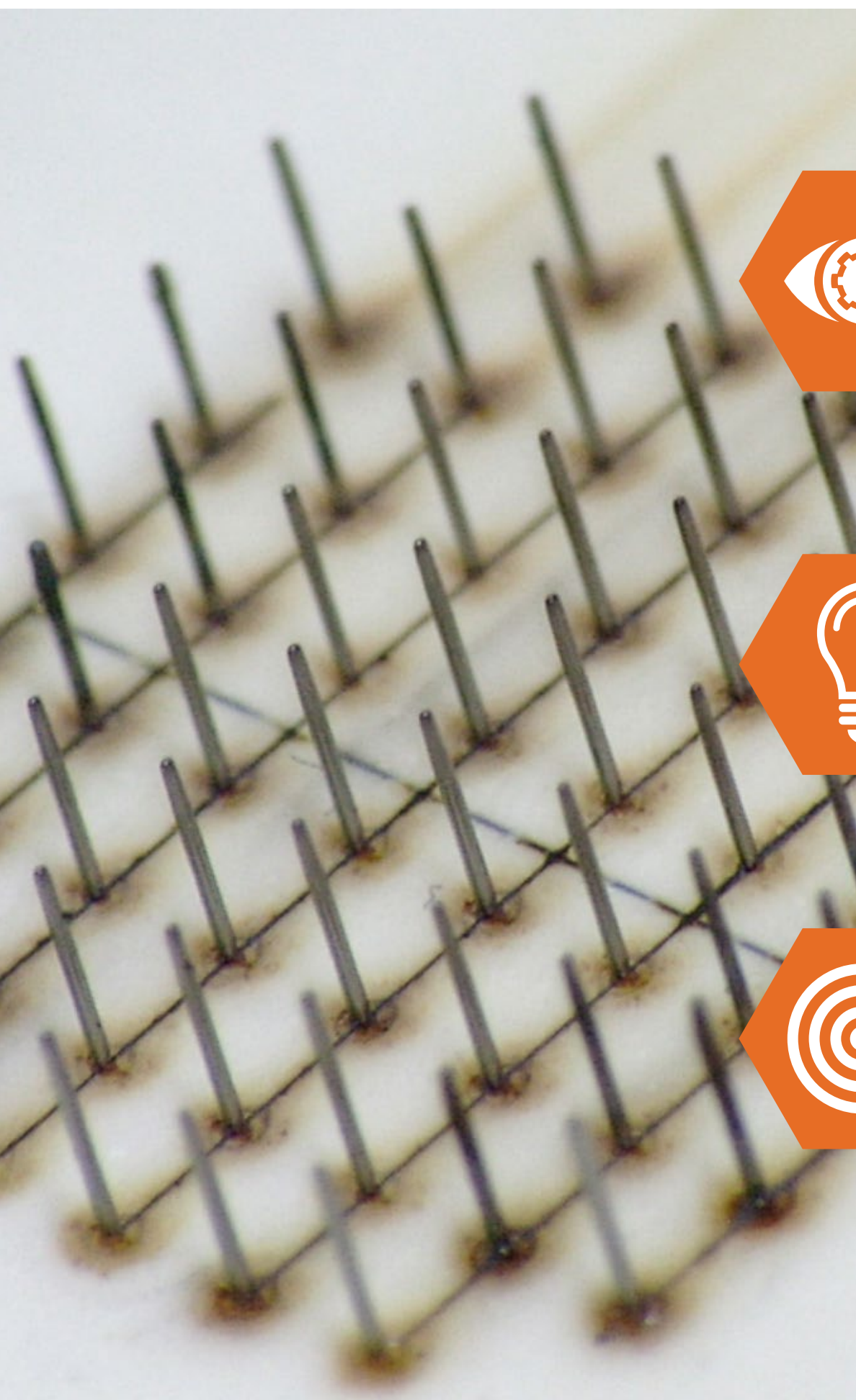
Entities outside the organization



New Business Model
as a solution to typical problems
of a standard R&D company

Typical problems	Operation of the New Business Model
Development of specialized personnel	A steady flow of talents to R&D from client teams and mentoring networks
Lack of knowledge about the hardware innovation market	A constant overview of the innovation market through the supply of services and machines to environments that create hardware innovations
Funding of research work	Self-financing of research work through, among others, commercial and grant activities
Lack of contact with industry manufacturers	Constant contact with hardware innovators from around the world, provided by the distribution department
Projects based on technology development without being reflected in the market	Constant review of market customer problems, which results in solutions that respond to the diagnosed ones and monitored issues
Development of new projects	Ability to seed/validate technologies entering the Group (use of existing financial, human and equipment resources)

DEPO - an example of a basic project



VISION

Development of hi-tech in Poland and Europe (using the existing technological and human potential)



AMBITION

Production of carbon-based electronics resistant to difficult conditions



GOAL

Transforming into a company equivalent to European TSMC for carbon-based electronics

DEPO

Manufacturer of carbon electronics and semiconductors based on proprietary deposition technology from the gas phase to the solid phase.

Intermediate products under the 6-year development program:

- 1D/2D structures:
heaters, sensors, RFID, implants
- 3D structures:
crucibles, electrodes, brakes, blocks
- CBM semiconductor – carbon electronics
e.g. transistors

SYGLASS - main project



VISION

Industrial revolution in photonics thanks to wide access to gradient optics



AMBITION

Manufacturer of high specialized optical elements



CEL

Part of a larger company (pioneer on photonics market) within 10 years

SYGLASS

Expert manufacturer of gradient photonics in proprietary technology

Sygnis has developed an automated manufacturing technology for gradient optics components on an industrial scale.

Products/Markets:

- healthcare (including novel skin therapies)
- photonics (among others, mid-infrared systems)
- cybersecurity (among others, hardware encrypted optical fibers)
- sensors (including cylindrical fiber optics for femtosecond lasers)



Environmental

The essence of 3D printing:

- distributed production (reducing CO2 emissions by reducing transportation)
- on-demand production (reduced waste)

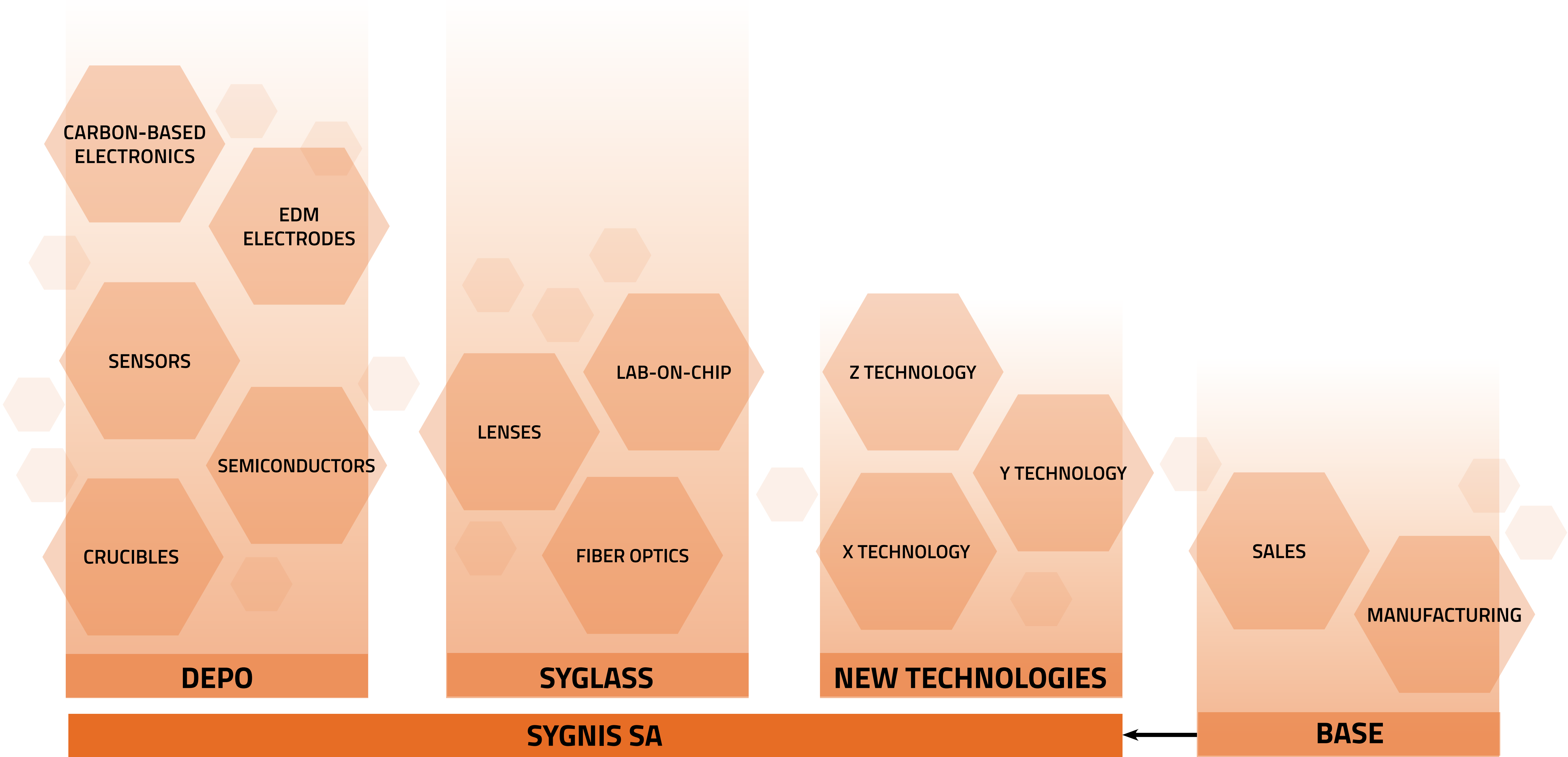
Social

- diversity and integration in the team
- mentoring in local organizations
- support for science clubs and student organizations

Corporate Governance

- diversity of the Management Board and Supervisory Board
- risk management – self-financing of R&D activities
- co-authoring the Code of Ethics of the 3D printing industry in Poland

Target structure



Team

MANAGEMENT



Andrzej Burgs

Management of SYGNIS SA, supervision of goals implementation by individual departments, coordination of cooperation between various areas of the company, recruitment of new team members



Joanna Danaj

Cost control and optimization, evaluation of investment projects, economic and financial analysis.



Olga Czerwińska, PhD

Management of R&D projects and their commercialization, management of grants and acquisition of EU funds.



Marcin Adamczyk, PhD, Eng.

Leadership in technological teams, R&D team management experience. Engineer with many years of project experience.

SUPERVISORY BOARD



Anastazja Burgs

Chairman of the Supervisory Board of Sygnis SA. Specialist in the area of insurance and operational risk.



Aleksandra Anklewicz

Business consulting in the field of management and building effective sales teams.



Łukasz Kaleta

Supporting the construction of the largest innovation ecosystem in Poland and Central and Eastern Europe.



Grzegorz Brona, PhD

President of Creotech Instruments SA, Coordinator of the Sectoral Competence Council of the Aerospace Industry, member of the Space and Satellite Research Committee of the Polish Academy of Sciences.



Karolina Opielewicz

Initiator of the creation of the ESG Committee, ESG School and the National ESG Standard.



Maciej Sadowski

Co-founder of the Startup Hub Foundation Poland (CEO 2012-2022). Expert on intellectual property transfer and commercialization of R&D projects.



Arvin Khanchandani

Investment Manager at Warsaw Equity Group, specializing in investments in the area of sustainable development.

**& almost 100 people
working at SYGNIS SA**

Contact



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Feel free to contact us!

Our R&D specialists will help you select the technology to meet your needs, and our design and production teams will realize your project.

We encourage you to learn more about all the company's business segments on our website.

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www.sygnis.pl/en