ABB CORPORATE TECHNOLOGY CENTER

Developing IP in Poland - Real life stories

Pushing technology boundaries for over 100 years

PRZEGLĄD ELEKTROTECHNICZNY

POLSKIE ZAKŁADY ELEKTRYCZNE

BROWN BOVERI

SP. AK.C.

WARSZAWA, BIELAŃSKA 6

pierwsze i dotąd jedyne w Polsce budują podług najnowszych wzorów szwajcarskich

PRĄDNICE TRÓJFAZOWE

o mocy od 28 kVA do 1000 kVA.

Prądnica trójfazowa o mocy 780 kVA, 5000 V, 187 obr./min. wykonywana w fabryce w Żychlinie dla Elektrowni Miejskiej w Toruniu.

na napięcie niskie i wysokie, szybkobieżne do napędu pasowego i wolnobieżne do bezpośredniego sprzężenia z silnikami napędowemi.

Nasze **prądnice trójfazowe** pracują już od szeregu lat w licznych zakładach przemysłowych i elektrowniach.

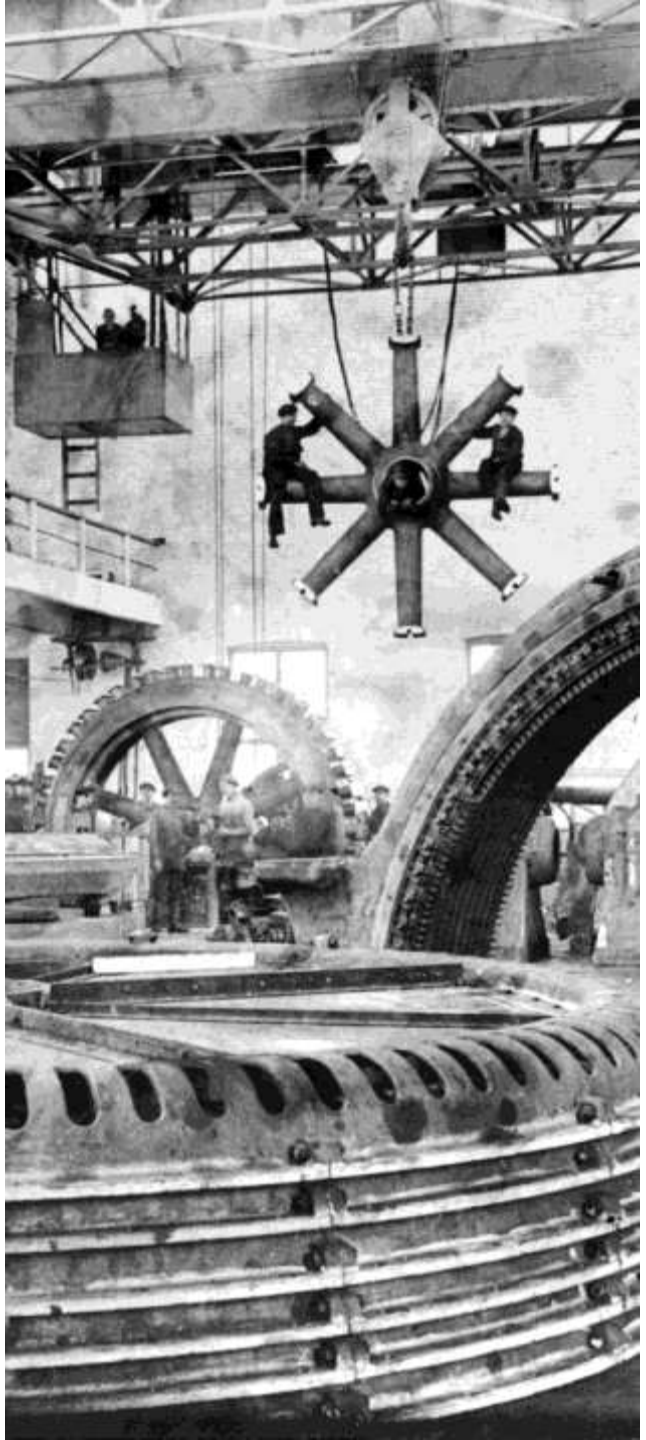
WŁASNE FABRYKI

W ŻYCHLINIE i W CIESZYNIE.

WŁASNE ODDZIAŁY

w Katowicach Krakowie Lwowie Łodzi Poznaniu

Stawowa 9 Dominikańska 3 Pl. Trybunalski 1 Piotrkowska 113 Słowackiego 8.



MOTION

Remarkable projects in Poland

PESA

The first hydrogen-powered rail vehicle in Poland is equipped with ABB energy system.

ABB was responsible for power system to derive energy from hydrogen cell, transfer it to the battery, and finally to the electric motors.

In 2023, PESA received certificate of approval for the operation issued by UTK.

FLYSPOT

The Flyspot wind tunnel near Wrocław uses ABB electric motors, which are responsible for powering fans that generate an air stream at speed of up to 300 km/h.

Motors speed is controlled by four ACS800 low-voltage inverters. As a result, power of the fans can be smoothly regulated. Such flexibility is important since wind tunnel is used not only by professionals.

PROCESS AUTOMATION

Remarkable projects in Poland

LW „BOGDANKA”

LW „Bogdanka” coal mine uses ABB comprehensive tool for predictive conservation, efficient use of resources, coordinating operation in real time and improving decision-making processes. This large-scale project is intended to improve production efficiency.

The project comprises ABB Ability™ digital solutions.

PERN

On the eastern and western sections of Przyjazn pipeline, PERN S.A. modernized the control and monitoring systems.

As a part of the project, ABB implemented DCS distributed control system that supports the operation of six pumping stations on both sections of the pipeline.

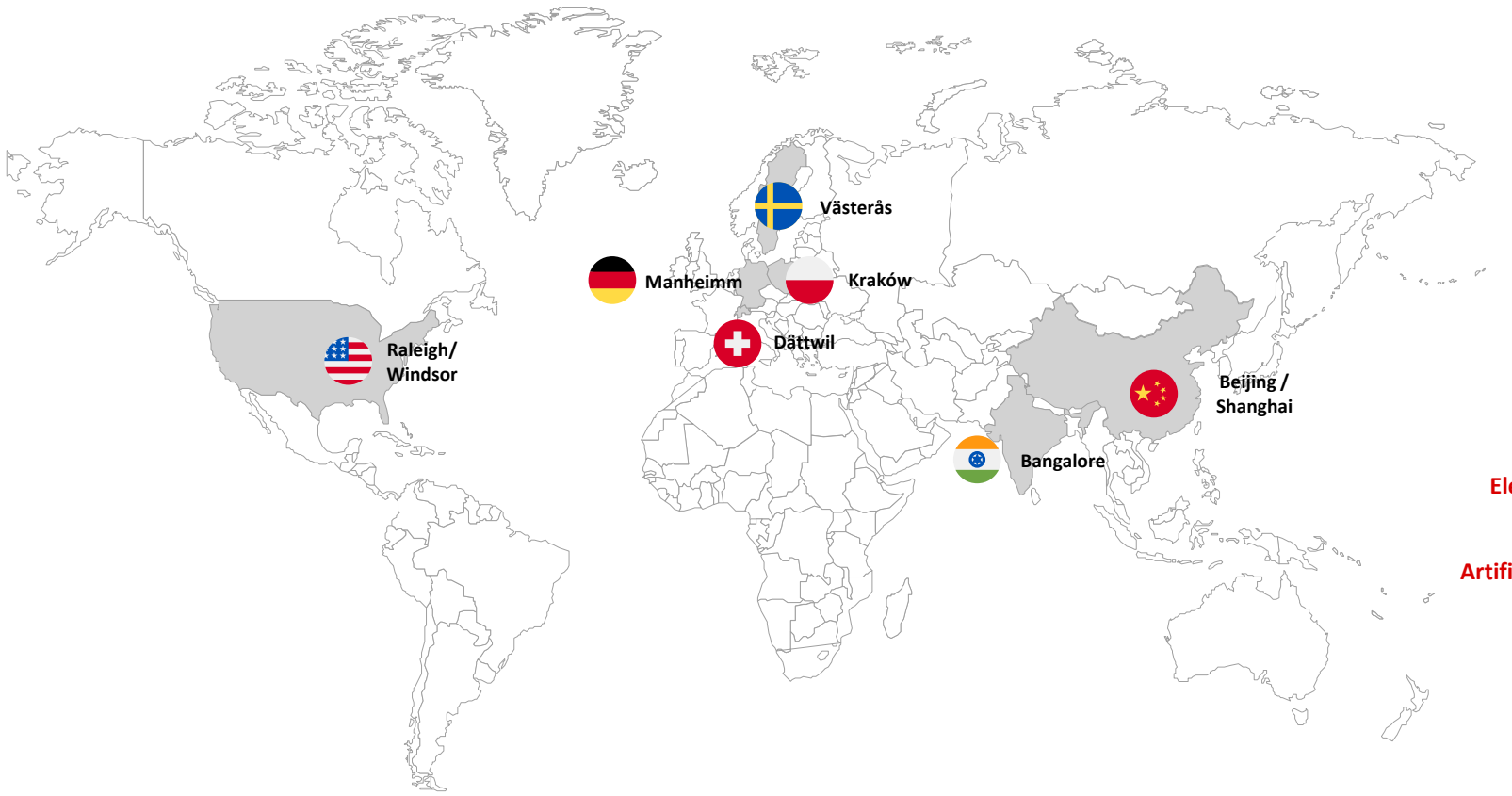
ABB also provides 24/7 service.

Corporate Research

Fueling tomorrow’s innovations

ABB Corporate Research

- ~700 highly qualified scientists and engineers
- 7 corporate research centers around the world
- 7 global research areas aligned to ABB’s core technologies
- >300 FFs and >700 publications

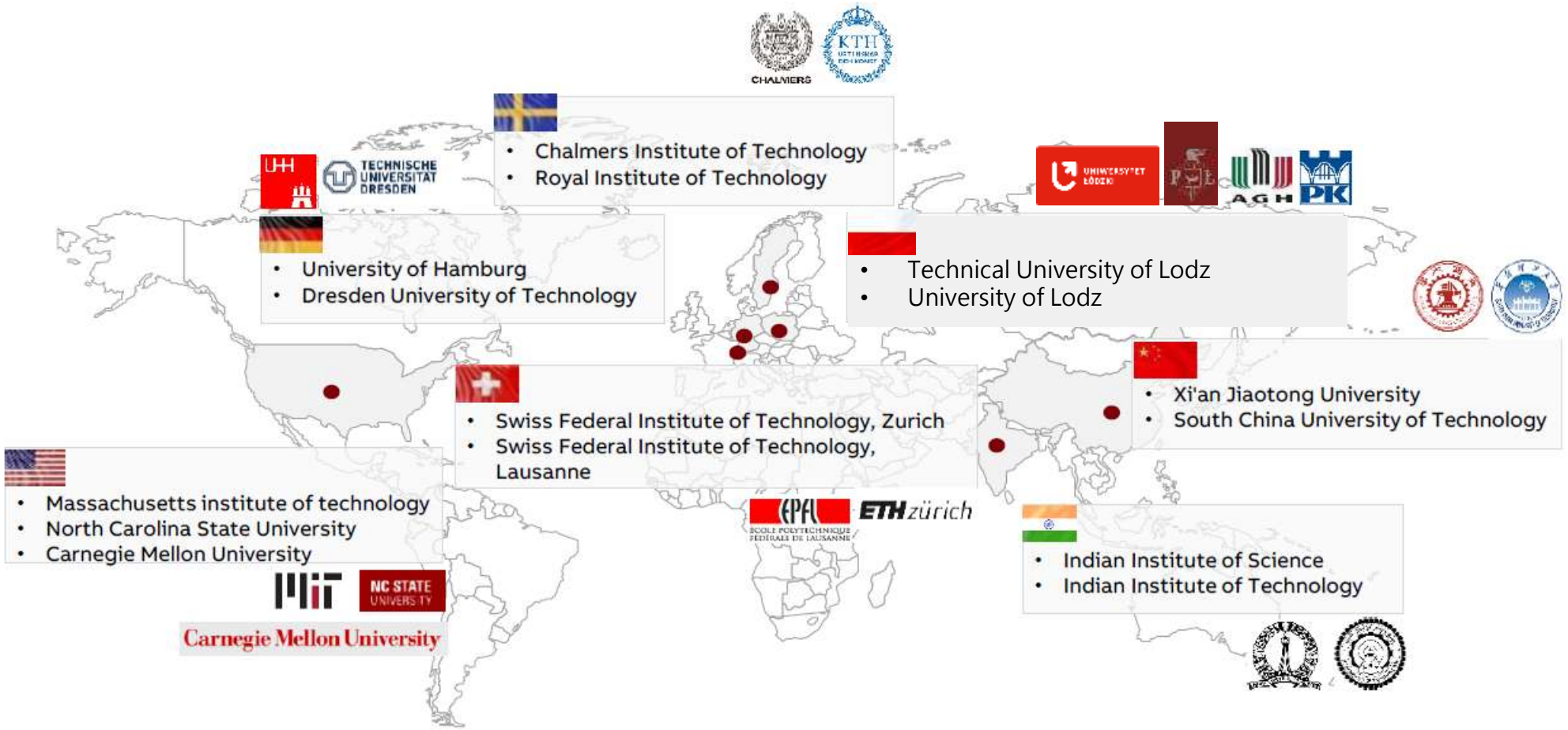


- Software & Connectivity
- Control & Optimization
- Sensing
- Multiphysics
- Electrical Systems
- Artificial Intelligence
- Materials & manufacturing

ABB University Connect

Keeping pace with the latest research through academia

Active collabora-tion with 100+ University connect

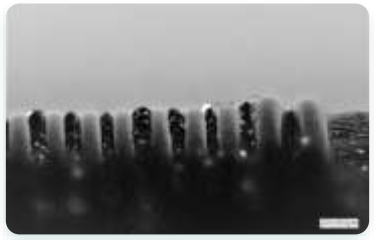


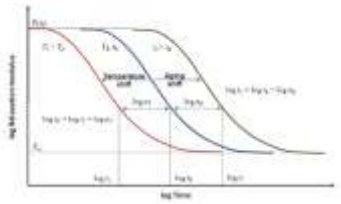
Research

Core expertise

Functional materials & composites

- Sustainable materials
- Robust, circular insulation
- Functional thermoplastics
- Sealing systems
- Long term material properties

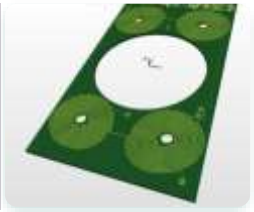





Sensing, electronics, electromag.

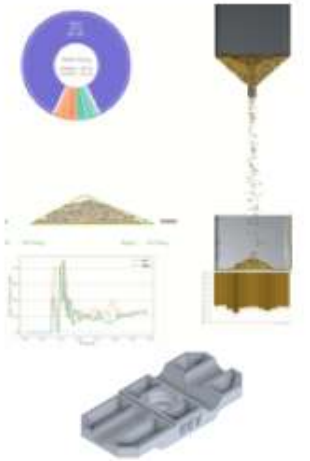
- Sensing technology
- Embedded Systems
- Wireless and wired communication
- Energy harvesting
- Electromagnetic design & EMC




Advanced manufacturing

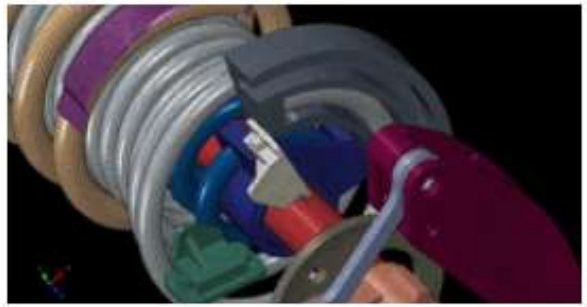
- Sensors & electronics integration
- Electronics manufacturing
- Additive manufacturing
- Process simulations



Simulation Specialist Team (SST)

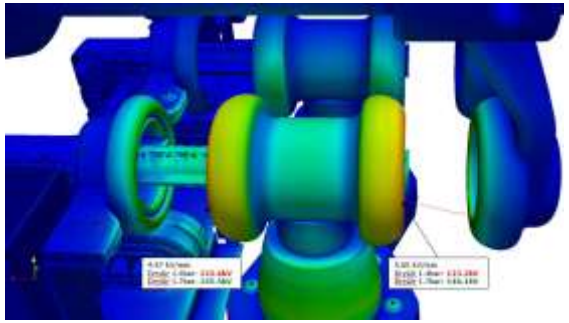
Core expertise

Mechanics & Processes



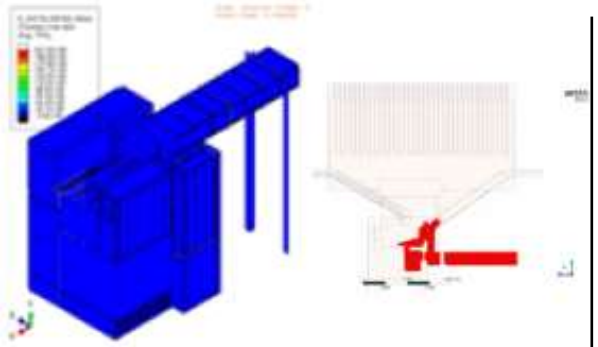
- Structural
- Electro-mechanical
- Seismic, vibrations, transport
- Multibody dynamics
- Fatigue
- Injection & reactive molding

Electromag. & Dielectrics



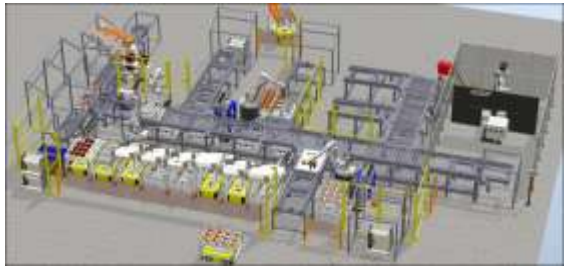
- Electric field strength
- Withstand voltage prediction
- Magnetic field
- Current flow
- Losses
- EMC

CFD & Electric arc



- Heat & mass transfer
- Coupled electrothermal & thermomechanical analyses
- Thermal networks
- Internal Arc (DIAS, 3D PRIAS)
- Arc dynamics (ArcSim)

Production Automation



- Manufacturing automation
- Robotized stations
- Vision systems
- Quality control
- Logistic simulations and optimization of factory production

Sustainability Competency Center

EPD Center of Excellence @ PLCTC

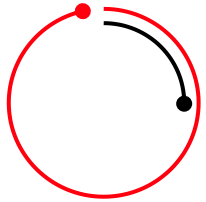
PLCTC team supporting Sustainability activities in ELSB & ELIP

- Sustainability domain know-how
- Support in LCA / EPD → PEP-ecopassport
- Automation of process incl. development of dedicated database
- LCA analysis and identification of potential improvements
- Extending support for other BA/Divisions (PAEN)

ELSB Strategic Initiative + Implementation in other divisions

Corporate Technology Center

Articles, whitepapers and conferences



1463 Articles over last 27 years

413 joint venture with academia

Laureaci ostatnich edycji

Dr inż. Maksym Figat

30 000 PLN

Nagroda Główna

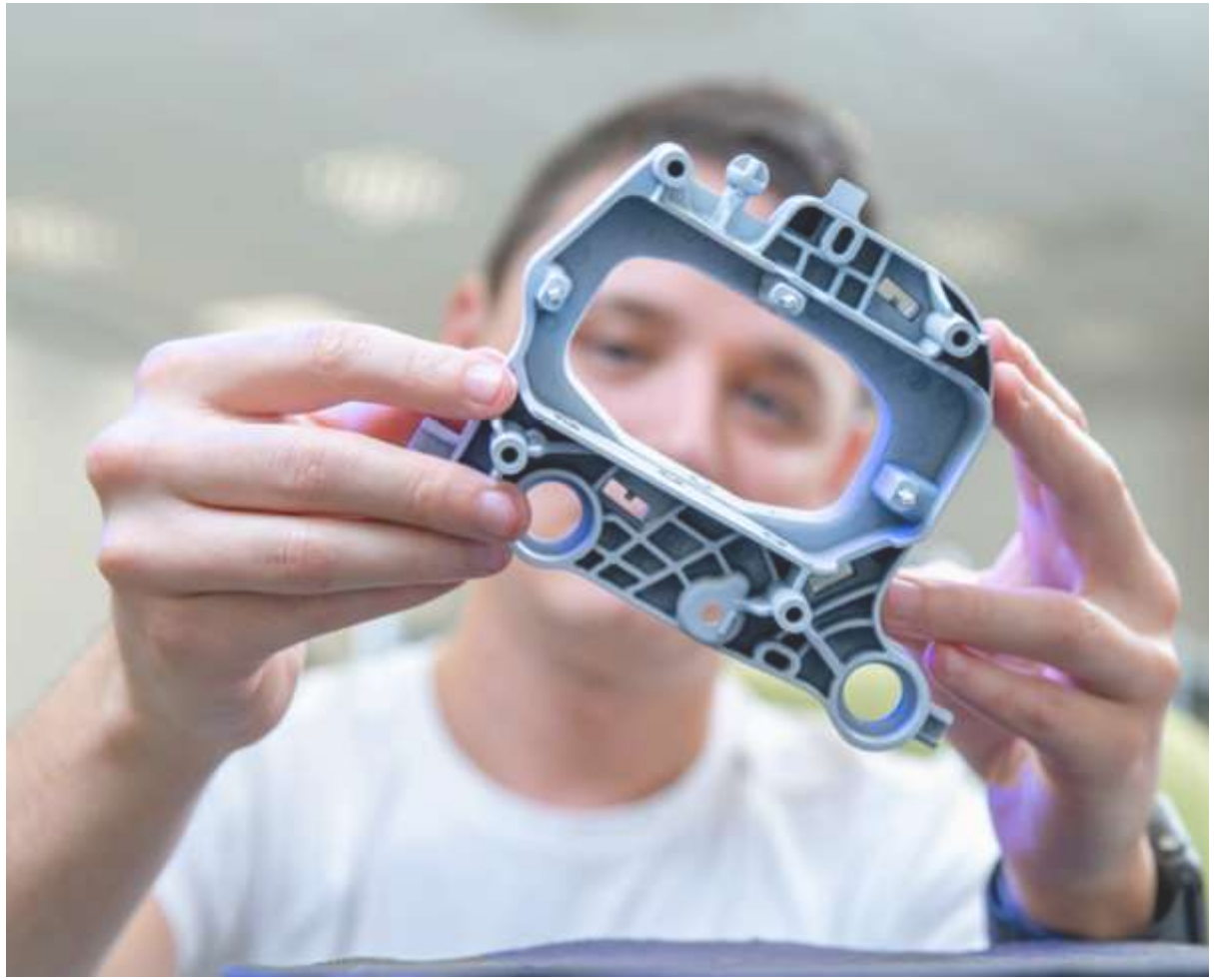
Mgr inż. Marita Pigłowska

15 000 PLN

Dr inż. Julia Radwan-Pragłowska

15 000 PLN

A unique initiative for the community



The ABB Award is a rare initiative by a private company aimed at supporting the academic community.

It promotes research and development, gaining recognition and respect within the scientific world.

Winning the award motivates continued scientific work, enhances the laureates' prestige, and provides project funding.

ABB views the competition as a way to express its values and contribute meaningfully to the advancement of science.

With over 20 years of engagement, ABB proudly supports the next generation of engineering leaders.

Statistics from the 22 years of the competition

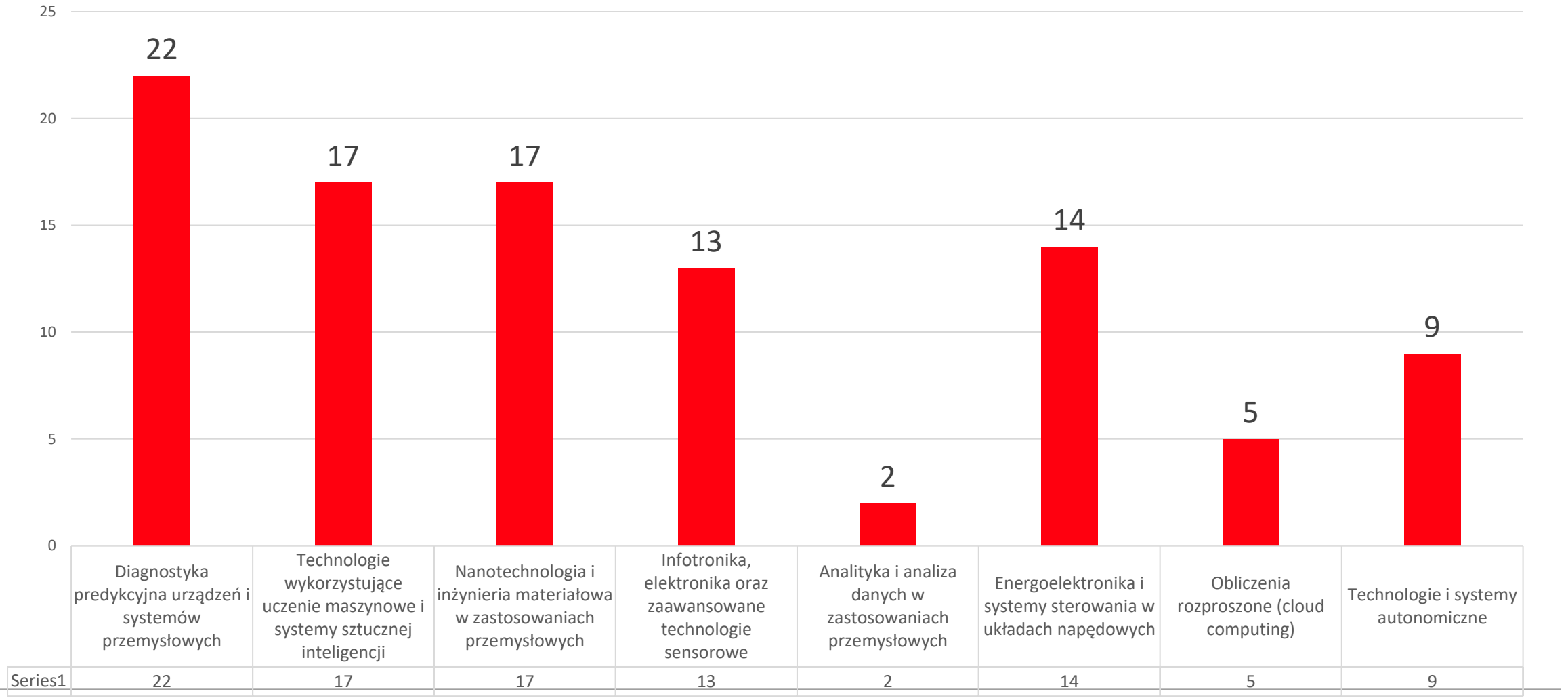
51
Number of universities involved

25
Number of participating cities

1 155 000
Total Rewards

2497
Number of submitted works

PhD Domains



XXII Edition – Jun 2025

Modelling social and emotional components in social robotics using robot artificial intelligence
Single-Phase Quasi-Z-Source Inverter with Active Energy Buffer
Diagnosis of vibration of tramway traction motor using signal decomposition and neural networks

Slide 15

ABB Corporate Technology Center

Politechnika Krakowska
im. Tadeusza Kościuszki

Collaboration with Cracow University of Technology

- Cooperation agreement between ABB and the Cracow University of Technology signed on 09/08/2020
- ABB patronage over two fields of study
  - Infotronics
  - Material Engineering
- Joint laboratory launched - Center for Functional Materials and Advanced Manufacturing Processes
- Training students as part of student internships and cooperation in the execution of research projects
- In 2020, the first implementation doctorates were launched in the following fields:
  - Automation, electronics and electrical engineering
  - Material Engineering
- Planned joint research projects and lectures for students

ABB

23 years for the ABB Awarad for the best doctoral thesis

ABB

21 EDYCJA KONKURSU O NAGRODĘ ABB

Stwórzmy razem dobry klimat

Weź udział w Konkursie o Nagrodę ABB na najlepsze obronione prace inżynierskie, magisterskie i doktorskie.

Do zdobycia nagroda główna w wysokości **30 000 zł** oraz dwa wyróżnienia w wysokości **15 000 zł.**

Termin nadsyłania prac upływa: **15 listopada 2023 r.**

Organizatorem konkursu jest Korporacyjne Centrum Technologiczne ABB.

Zeskanuj kod QR, aby dowiedzieć się więcej

www.abb.pl/konkurs

Investment Grants

Third party funding

Galicja 2013-2015

- Investment: 3.5 MUSD
- 3rd party contribution: 50%
- Grant of Polish Ministry of Economy
- Joint collaboration with AGH University of Science and Technology
- Investment into new lab equipment and base technical infrastructure in the areas of:
  - Power Electronics,
  - Electronics and embedded systems,
  - High Voltage,
  - Material Science, Diagnostics, Vibroacustics,
  - Passive Design & Magnetic.
- Sustainability period: 2020

Next Level Labs (NLL) 2017-2019

- Investment: 2.7 MUSD
- 3rd party contribution: 35%
- Grant of Regional Operational Programme of Malopolskie voivodeship
- Joint collaboration with AGH University of Science and Technology and Cracow University of Technology (PK)
- Research actvities from 7 areas to be continued as must have
- Sustainability period: 2026

PLCTC Labs

LNTE, CEFUMA

Functional Materials & Adv. Manufact.

Electrical Insulation & EMC tests

Control & Diagnostics

Power electronics

AC / DC High Voltage

R&D Projects

Third Party funding

On-going

FOREMAST 2024-2026

Freight volumes transfer from road to waterborne transport, using zero-emission, automated, small and flexible vessel prototypes

Budget: 421 kEUR

EU contribution – 100%

DORNA 2020-2025

Development of highly reliable electrical power train applications including both technical deliverables as well as scientific staff exchange

Budget: 27,6 kEUR

EU contribution – 100%

Accomplished

Real Smart 2010-2014
Marie Curie Industry-Academic Pathways and Partnership (IAPP)

Energy SmartOps 2011-2015
Marie Curie Innovative Training Network (ITN)

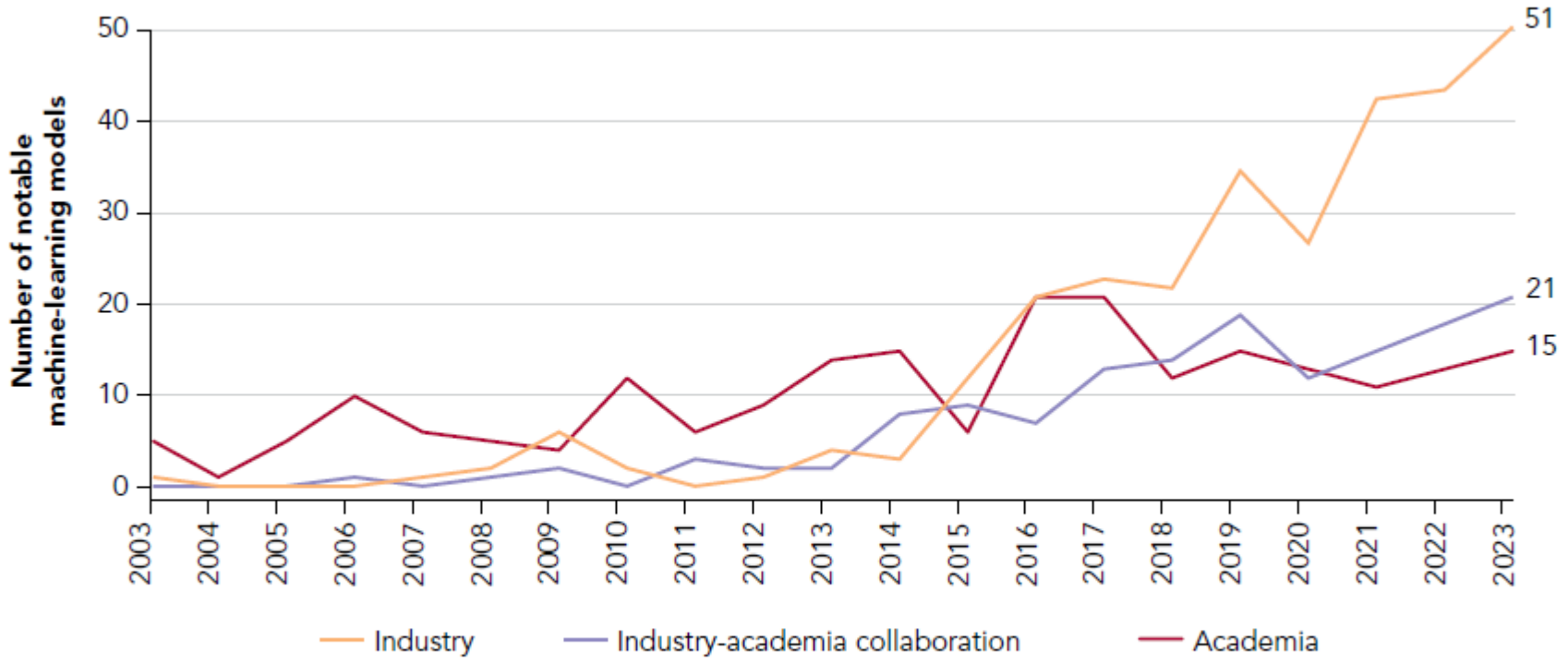
PRONTO 2016-2020
Marie Curie Innovative Training Networks Project

NOVUM 2017-2019
Pilot line based on novel manufacturing technologies for cellulose-based electrical insulation components

ATLANTIS 2021-2022
HORIZON 2020 science and technology development program

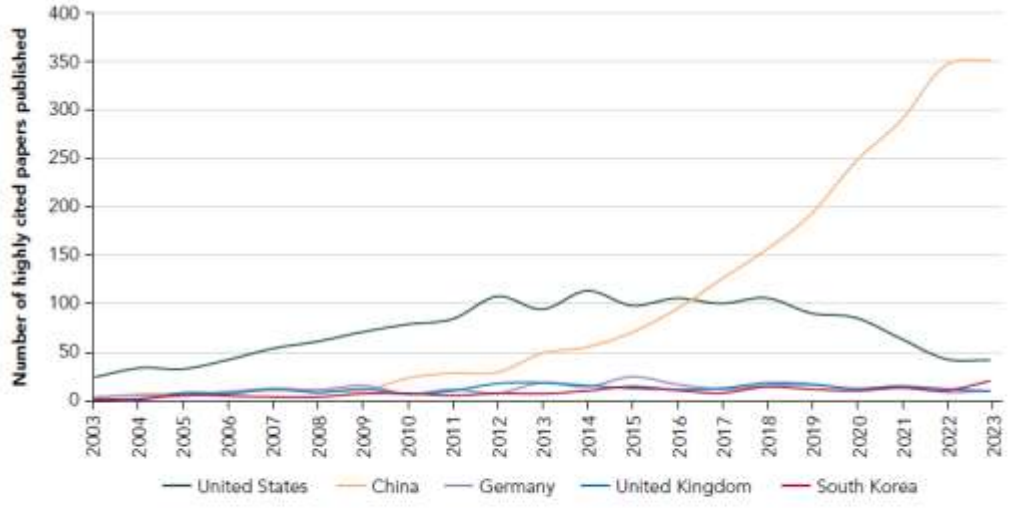
Machine-learning Models development

Number of notable machine-learning models by sector, 2003–23



Source: Adapted from Nestor Maslej, Loredana Fattorini, Raymond Perrault, et al., *The AI Index 2024 Annual Report*, AI Index Steering Committee, Institute for Human-Centered AI, Stanford University, Stanford, CA, April 2024. Data from Epoch, 2023

Biotechnology
Syntetic Biology



Source: Adapted from Australian Strategic Policy Institute, Critical Technology Tracker, based on "Appendix 2: Detailed Methodology," in Jennifer Wong-Leung, Stephan Robin, and Danielle Cave, ASPI's Two-Decade Critical Technology Tracker, August 2024

Biotechnology is one of the most important areas of technological competition between the United States and China, and China is investing considerably more resources. Lacking equivalent efforts domestically, the United States runs the risk of Sputnik-like strategic surprises in biotechnology.

Building Intellectual Property in Poland

Challanges and Strategies

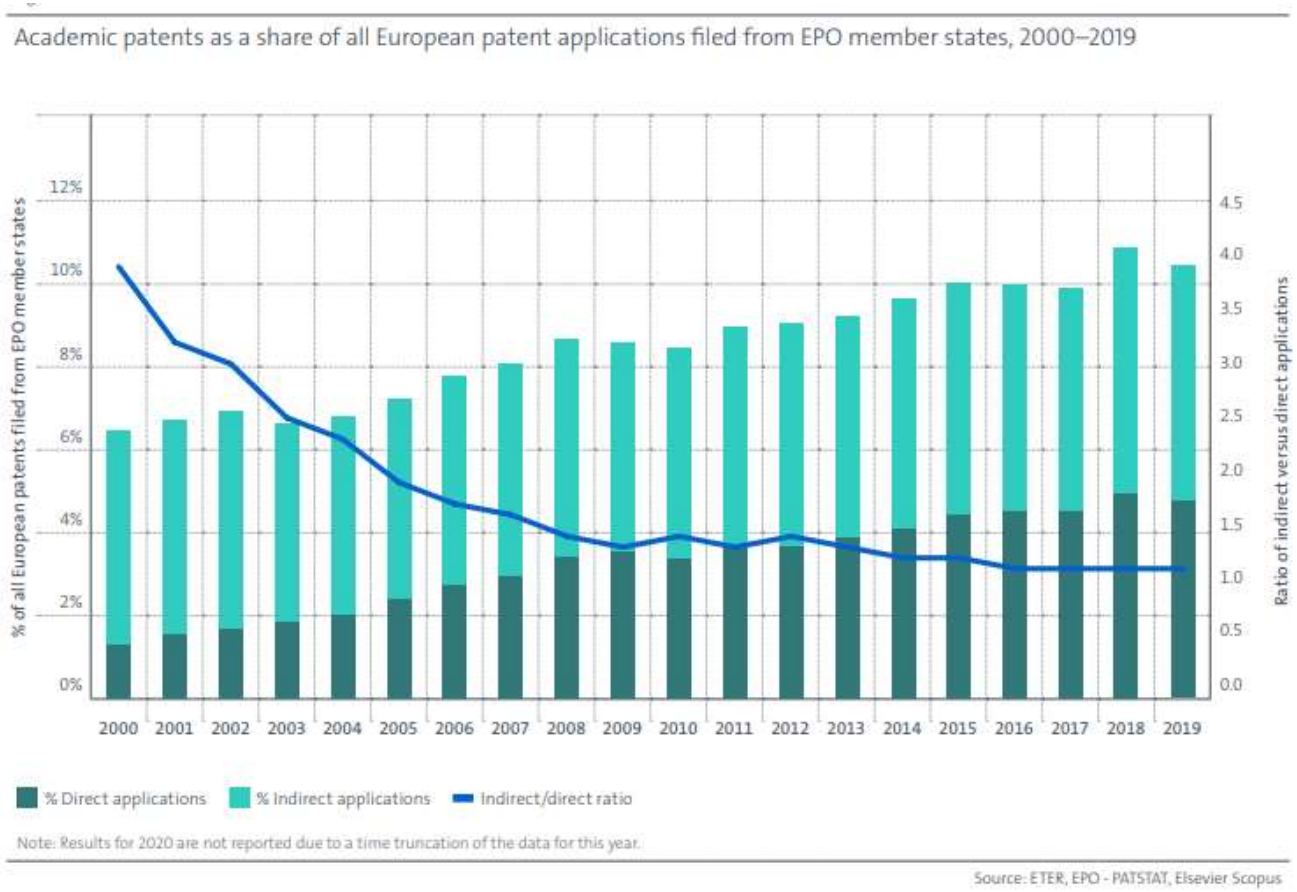
1. Raise IP awareness and integrate training into STEM curricula
2. Tackle barriers to commercialisation and technology transfer
3. Provide proof-of-concept funding and use IP as collateral
4. Standardise university–industry collaboration with model contracts
5. Accelerate IP procedures and improve search times
6. Promote IP as a strategic business asset
7. Select the appropriate IP protection method and plan commercialisation early
8. Clarify ownership and rights in R&D projects and consortia
9. Understand cross-border frameworks and the new Unitary Patent system

Funded by the European Union

OECD
BETTER POLICIES FOR BETTER LIVES

Building Intellectual Property in Poland

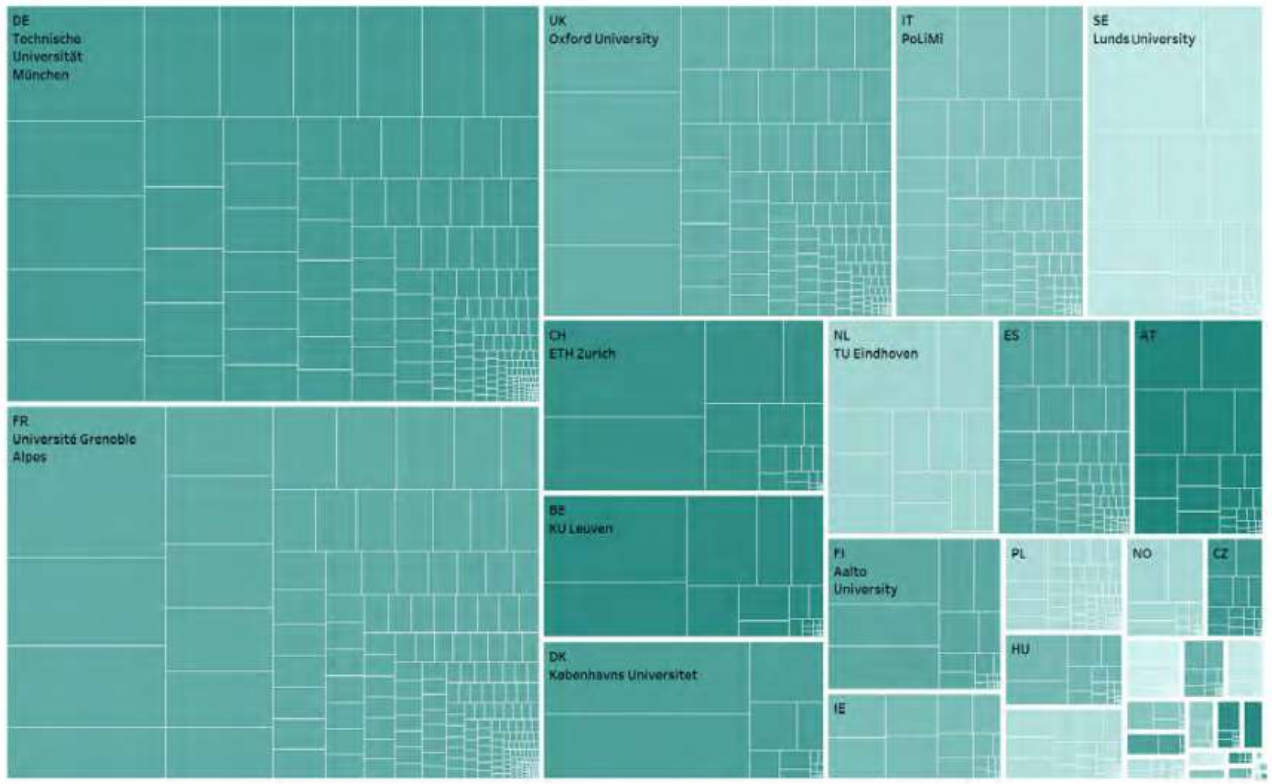
Challanges and Strategies



Building Intellectual Property in Poland

Challanges and Strategies

Distribution of academic patents by European universities and countries, 2000–2020



University–Industry Collaboration & IP in Europe and Poland

Europe (2011–2018)

27,937 patents filed by universities

Only **9% (2,559)** were **co-authored with industry** → limited academia–business cooperation

Only **13–23% of university patent families** are ever **licensed or commercialized**

Poland

Only **~2% of university patents** involve industrial partners

90%+ of IP rights (patents, trademarks, designs) filed in Poland come from **domestic applicants**

Polish applicants filed **~420 EPO patents/year**; just **7% of Polish patents** were extended internationally via EPO

Policy & Practice

Since 2016, **2% of university funding** must support **research commercialization**, but **TTOs face funding and staffing challenges**

Horizon Europe Research and Innovation Actions (RIAs)

What is a Research and Innovation Action (RIA)?

RIAs

- RIAs are collaborative projects funded under Horizon Europe, **focusing primarily on generating new knowledge or exploring the feasibility of new or improved technologies**, products, processes, or services.
- Typically involves fundamental and applied research activities.

Key Objectives of RIAs:

- Address clearly defined scientific and technological challenges.
- Foster international and interdisciplinary collaboration
- **Generate high-impact research outputs and innovations.**

Typical Activities under RIA projects:

- Laboratory or experimental research.
- Prototyping or pilot studies to validate concepts.
- Developing and testing innovative technologies.

Expected Impact

- Advancements in scientific knowledge or technology.
- Development of innovative solutions addressing European societal and economic challenges.
- Enhanced European research and innovation leadership.

Who participates?

- Partnerships usually involve multiple entities from academia, industry, research institutes, SMEs, and other stakeholders from various countries.

Horizon Europe Innovation Actions (IAs)

What is an Innovation Action (IA)?

IAs

- IAs are collaborative projects funded by Horizon Europe aimed **primarily at developing, demonstrating, and bringing innovative solutions closer to market**.
- Focuses on activities directly linked to the production of plans, designs, prototypes, and pilot implementations.

Key Objectives of IAs:

- **Demonstrate and validate innovative solutions** or technologies in real-life environments.
- **Bridge the gap** between **research** outcomes and **market-ready** innovations.
- **Accelerate the uptake** of innovative products, services, or processes by industries or society.

Typical Activities under RIA projects:

- Development and testing of prototypes or pilot systems.
- **Demonstration of innovative solutions in operational environments.**
- **Scaling up** technologies and processes to validate market potential and readiness.

Expected Impact

- **Accelerated market** deployment and commercialization of innovative solutions.
- **Tangible economic and social benefits** through new technologies, products, or services.
- Enhanced European competitiveness and contribution to key strategic policy priorities.

Who participates?

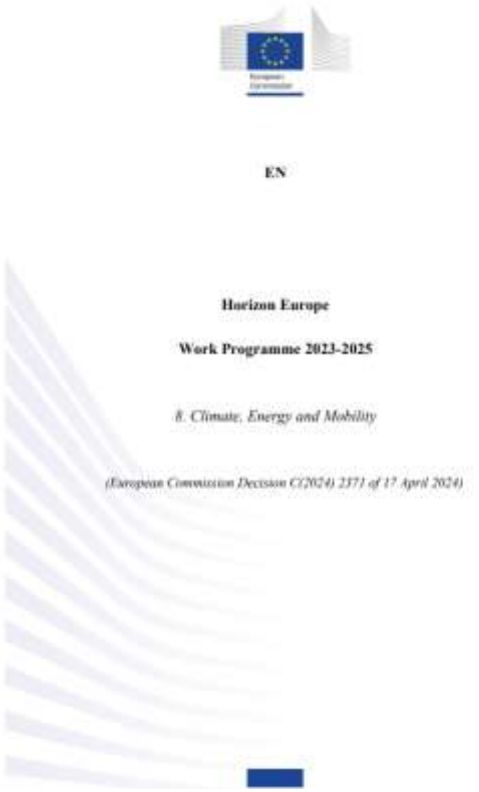
- Consortia typically include industrial partners, SMEs, research organizations, academia, end-users, and other stakeholders from different European countries.

EU Grants

Personnel Expenses (PEX) Calculation	• Base calculation: Salary + ZUS contributions + annual bonus. • Excluded items: Employee benefits (medical care, insurance, etc.).
Indirect Cost Overhead	• A flat overhead rate of 25% is applied to the personnel costs (PEX). • This overhead is applied without detailed record-keeping (simplified flat-rate approach).
Eligible Project Costs	• Travel expenses. • Material costs. • Contractors cost - Often problematic or challenging to classify as eligible
Equipment Purchases	• Equipment is accounted for by depreciation over the project duration. • The full purchase value of equipment is not immediately reported as an eligible cost.
Indirect Cost on Project Expenses	• An additional 25% overhead is applied to total eligible project costs.

Horizon Europe

Work programme 2025-2027 (not avaliable?)



https://ec.europa.eu/info/funding-tenders/opportunities/docs/2021-2027/horizon/wp-call/2023-2024/wp-8-climate-energy-and-mobility_horizon-2023-2024_en.pdf

EXPECTED IMPACT[1]	INTERVENTION AREAS COVERED	EUROPEAN PARTNERSHIPS
21. Transition to a climate-neutral society enabled through advanced climate science and responses for climate mitigation and adaptation.	Climate Science and Solutions	
22. Clean and sustainable transition of the energy and transport sectors towards climate neutrality facilitated by innovative cross-sectoral solutions.	Communities and Cities Clean Transport and Mobility Energy Storage	Clean Hydrogen[2] Batteries: Towards a competitive European industrial battery value chain Driving Urban Transitions to a Sustainable Future (DUT)
23. More efficient, clean, secure and competitive energy supply through new solutions for smart grids and energy systems based on more performant renewable energy solutions.	Energy Supply Energy Systems and Grids Energy Storage	Clean Energy Transition
24. Efficient and sustainable use of energy, accessible for all is ensured through a clean energy system and a just transition.	Buildings and Industrial Facilities in the Energy Transition	People-centric Sustainable Built Environment (Built4People)
25. Towards climate-neutral and environmental friendly mobility through clean solutions across all transport modes while increasing global competitiveness of the EU transport sector.	Industrial Competitiveness in Transport Clean Transport and Mobility Smart Mobility	Transforming Europe's Rail System2 Integrated Air Traffic Management2 Clean Aviation2 Towards Zero-emission Road Transport (2ZERO) Zero-emission Waterborne Transport
26. Safe, seamless, smart, inclusive, resilient, climate neutral and sustainable mobility services for people and goods thanks to user-centric technologies and services including digital technologies and advanced satellite navigation services.	Industrial Competitiveness in Transport Clean Transport and Mobility Smart Mobility	Connected and Automated Mobility (CCAM)

Swiss-Polish Cooperation

Comparision to EU

The maximum remuneration amount for large commercial entities is 65% of the eligible costs and the eligible costs are costs of labour + 20% overheads (not +25% as in HORZON).

This places the attractiveness of this type of funding in pure financial terms below HORIZON, but above e.g. ESA (European Space Agency).

Programme	Agency cofinancing (true, incl. non-eligible CH TET rate costs)	Our cofinancing	Ratio
HORIZON EUROPE RIAs	52%	48%	About 1:1
HORIZON EUROPE IAs	36%	64%	About 1:2
Swiss-Polish Cooperation	32%	68%	About 1:2

* All calculations based on reported levelized / averaged cost of labour being ca. 4.500,00 EUR per person per month of fully permanently employed employee.

#EUInnovateTogether - Bridging Western Corporations and CEE Science & Academia for Collaborative R&I

What is #EUInnovateTogether?

A unique initiative under Presidency of the EU Council, aimed at fostering deeper R&I partnerships between Western European corporations and the scientific communities of Central and Eastern Europe (CEE). We drive innovation by combining the structured expertise of corporate R&D with the creativity and out-of-the-box thinking of CEE science and academia.

Initiative Highlights:

- **Roundtable Discussion** (May 13, 2025) - R&D leaders from 10 major European corporations and their Polish branches will join Poland's tech-transfer, government, and SME representatives to create impactful innovation partnerships.
- **Pre-Event Collaboration** (Nov 2024 - Apr 2025) - Tailored R&I Cooperation Agendas will be developed to align innovation efforts with corporate goals, while adjusting collaboration models that integrate smoothly with corporate procedures.

Who's Involved?

Organizers:

- The Polish Association of University Knowledge Transfer Companies (PSC)
- The Polish Association of Centers for Technology Transfer (PACTT)

Cooperation:

- The Chancellery of the Prime Minister of Poland
- The Ministry of Science and Higher Education
- The National Centre for Research and Development
- The Royal Danish Embassy in Warsaw
- MEP Borys Budka (ITRE Committee)
- Polish Investment and Trade Agency
- Pracodawcy RP (Employers of Poland)

Companies Already Invited:

- Orange, Veolia
- Danfoss
- ABB, Roche
- Ericsson, Arjo
- GSK
- Nordea

Home
Council of Ministers
The Chancellery of the Prime Minister
Ministries
Offices, institutions and offices of the RP

Services for citizens
Services for business
Services for officials
Services for farmers

Trusted profile
Knowledge base
Civil service

Сайт для громадян України – Service for Ukrainian citizens

EUInnovateTogether

Bridging Western Corporations and CE Science & Academia for Collaborative R&I

EUInnovateTogether, part of the EU Innovation Journey' 25 Conference, is an autonomous initiative dedicated to advancing innovative cooperation between Western European corporations and Central European science.

What is #EUInnovateTogether?

#EUInnovateTogether is a transformative initiative designed to foster profound research and innovation (R&I) partnerships between Western European corporations and the vibrant scientific communities of Central Europe (CE). This initiative blends corporate R&D expertise with CE science and academia's creativity and fresh perspectives to drive impactful innovation.

#EUInnovateTogether

Bridging European Corporations and CEE Science & Academia for Collaborative R&I

WHAT?

A unique initiative aimed at fostering deeper Research & Innovation partnerships between European corporations and the scientific communities of Central and Eastern Europe.
We drive innovation by combining the structured expertise of corporate R&D with the creativity and out-of-the-box thinking of CEE science and academia.

R&I Agendas 2025

ABB

1. Rethink Electronics for a Sustainable Future
Design the next generation of recyclable PCB materials to power long-lasting, eco-friendly electronics.

2. Grow the Grid - With Bio-Based Insulation for Electrification
Redesign insulation for the energy future using sustainable, bio-derived materials that don't compete with food or farmland.

3. Print Stronger, Smarter - High-Performance Resins for Electrification
Reinvent additive manufacturing with UV-cured resins built for thermal, mechanical, and electrical excellence.

GSK

1. Boosting Clinical Trial Access with Real-World Patient Data
Co-develop smart tools to connect eligible patients with trials through data-driven site selection and inclusive recruitment strategies.

2. Designing Synthetic Control Arms for Faster, Smarter Trials
Use real-world evidence to build virtual comparators that reduce patient burden and accelerate clinical research.

3. AI Innovation for Smarter Workflows in HR, Finance and Support Functions
Co-create internal solutions that reduce routine workload, enhance team efficiency and support better decision-making.

4. Intelligent Automation for Resilient and Self-Monitoring Manufacturing
Design AI-driven quality control systems that reduce manual checks and waste in critical production scenarios.

R&I Agendas 2025

KRONOSPAN

1. Innovating Recycling for Next-Gen Wood-Based Boards
Turn production waste and new non-wood recyclables into high-quality raw materials.

2. Bio-Based Resins for Greener Board Production
Develop low-emission, cost-effective binders using lignin, tannins and other natural materials.

3. Capturing CO_2 and Converting It into Bio-Methanol On Site
Adjust carbon capture tech to Kronospan's production lines and explore added-value reuse.

4. AI Models for Smarter Energy Use in Board Manufacturing
Design predictive systems to monitor, plan and reduce energy consumption at the plant level.

5. Beyond Furniture: Expanding the Use Possibilities of Wood-Based Boards
Co-develop functional applications for existing panel products in new sectors.

6. Next-Gen Panel Surfaces: From Antibacterial to Self-Cleaning
Engineer smart coatings and textures that add value, hygiene and natural aesthetics.

MEDICOVER

1. Augmented Imaging: Faster, Smarter Diagnoses by Design
Develop AI-powered systems to support radiology workflows by generating accurate, readable image reports for clinical validation.

2. Always On: Seamless Remote Monitoring for Everyday Health
Co-develop integrated RPM solutions that collect, interpret, and act on data from wearables to support chronic care - anytime, anywhere.

3. Smart Care Capacity: Predict, Plan and Provide Without Gaps
Design ML-driven models to optimize medical staffing based on patient demand forecasts, medical trends and real-world conditions.

4. Less Clicks, More Care: Smarter Workflows for Smarter Decisions
Co-create tools that summarize patient history, collect pre-visit inputs and reduce admin load - so doctors focus on healing, not hunting data.

5. Occupational Medicine Reimagined: From Paperwork to Predictive Protection
Design smart, fully digital workflows for employer-funded medical exams to replace redundant paperwork with early risk detection and workplace health insights.

6. Predict, Prevent, Notify: School Medicine as a National Early-Warning System
Turn routine child health checkups into predictive models of future disease burden, enabling early state intervention and automatic alerts for parents through integrated digital channels.

7. Personalized medicine: Diagnostic Screenings tailored for individual needs
Build personalized diagnostic pathways based on automated medical record analysis.

8. Patient engagement: Improve patient experience and medical outcomes
Design and co-build patient engagement technology-based patient engagement workflows.

R&I Agendas 2025

ORANGE

1. Human-Level AI for Digital Customer Experience
Design the next generation of assistants that listen, feel, and solve before you ask.

2. AI Driven Services - For Orange and our Customers
Build applications that transform operations, cities, and daily lives.

3. Reimagining Shopping with Tech-Enhanced Retail Journeys
Smart, seamless, sensory - design the future store experience.

4. Create Home Services That Families Will Love
From Wi-Fi to digital wellbeing - invent what's next in everyday life.

5. Design an Effective Model for Creating Disruptive Innovations
Design tools, models, and fast testbeds to accelerate real change.

6. Teach Machines to See the World Better
Develop vision algorithms that support cities, factories and beyond.

7. Develop Solutions for Cyber Defense and Resilient Services
Support digital transformation with sovereign technology.

ROCHE

1. True Cost of Disease: Building Robust Societal Cost Models
Co-develop trusted models to quantify the full cost of disease, including social and economic burden.

2. Health Data Access that Unlocks Medical Innovation
Design an effective, trusted model for sharing clinical data to spark medical innovation from Poland.

3. Enable Home Care with Remote Patient Monitoring Solutions
Engineer tools to monitor patients in home settings to allow physicians to treat them effectively and conveniently.

4. Decision-Support Algorithms with Therapeutic Intelligence
Create tools that aid doctors in real time while opening new, evidence-based therapeutic pathways.

R&I Agendas 2025

RASP

1. Shaping Youth Media Habits through Science-Based Engagement Models
Co-develop solutions to engage young audiences with verified content across RASP's platforms.

2. Real-Time User Feedback for Media Innovation Testing
Create methods that instantly track audience reaction to new digital features and formats.

3. Smart Add-On Services Beyond Journalism
Co-design and scale daily-use services that improve life - powered by RASP's media reach.

4. Big Data, Bigger Questions: Unlocking Media Behavior Insights
Use one of the largest behavior data sets in Poland to explore new scientific frontiers.

5. Designing Deeper Journalist-Audience Interactions
Invent tools that help journalists build deeper bonds with readers and co-create more impactful reporting.

VEOLIA

1. Ashes Reimagined: Building Materials for a Post-Carbon Era
Co-develop safe, scalable and eco-efficient solutions to transform industrial ashes into high-performance components for roads and construction.

2. Harvesting Hidden Heat: From Rivers, Industrial Processes, Data Centers and Sewers to Urban Energy
Co-develop scalable, low-emission systems to recover ambient and wastewater heat and integrate it into local district heating networks.

3. Smart Water Systems: Detect Leaks and Predict Risks with AI
Co-develop intelligent platforms that monitor, analyze and forecast water quality and network anomalies in real time.

4. Wastewater Residues Reinvented: Fertilizers for a Circular Future
Develop scalable, safe and resource-efficient technologies to transform sewage sludge into agricultural nutrients or renewable energy.

5. Boosting Efficiency: Smarter Energy for Industrial Processes
Co-develop robust, energy-saving solutions to augment the energy efficiency of technological processes, thereby minimizing environmental impact and maximizing productivity.

The Lambert Model

#EUInnovateTogether + Ministry of Finance = generator of science-business cooperation agreement templates

What the Lambert Model Is

- **Developed by the UK Intellectual Property Office** to simplify negotiations between **universities and industry partners**.
- Provides a **set of model research collaboration agreements** and **decision guides** on IP ownership and exploitation.
- Encourages **trust and efficiency** in forming partnerships by offering **ready-to-use templates** instead of starting from scratch.

Key Principles

- **Transparency and speed:** Standardized clauses reduce time spent on legal negotiations.
- **Flexibility:** Offers several model agreements depending on who will own or exploit resulting IP.
- **Balance:** Protects the interests of both academic freedom (publication rights) and industrial application (commercial advantage).
- **Proportionality:** IP terms reflect the scale and contribution of each partner—no one-size-fits-all rule.

Agreement Types

- **Model 1:** Company owns the results, university gets publication rights.
- **Model 2:** University owns results but grants company a broad license.
- **Model 3:** Joint ownership.
- **Model 4:** Each party owns the IP it creates, but grants access to the other.
- **Model 5:** Flexible arrangement where results are owned jointly but commercialization is negotiated later.