UNICO

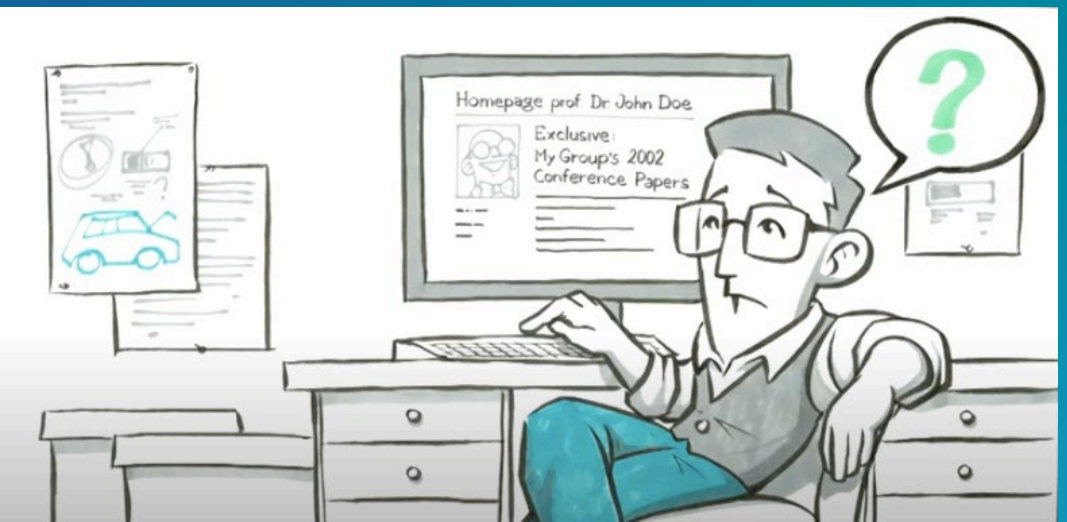
We turn ideas into technology innovations
by bringing academia closer to business

unico.ai | info@unico.ai | +420 737 701 586

PROBLEM

Have you ever tried to find a scientist to cooperate with on a university website? UGH!

When it comes to accessing information from academic institutions, one can quickly get the feeling of trying to get into a mysterious BLACK BOX.



UNIVERSITY WEBSITES: A MYSTERIOUS BLACK BOX?

Universities create research-based inventions that have the potential to become valuable commercial applications. However, these inventions are locked behind the doors of academia because research institutions lack the tools to effectively present their expertise to business. It is difficult for businesses to access these intellectual assets to innovate.

As a result, opportunities are missed because universities do not benefit from commercialisation, scientists do not see their discoveries turned into spin-offs, and businesses miss out on cutting-edge knowledge. Everyone loses out.

EXPERTS.AI

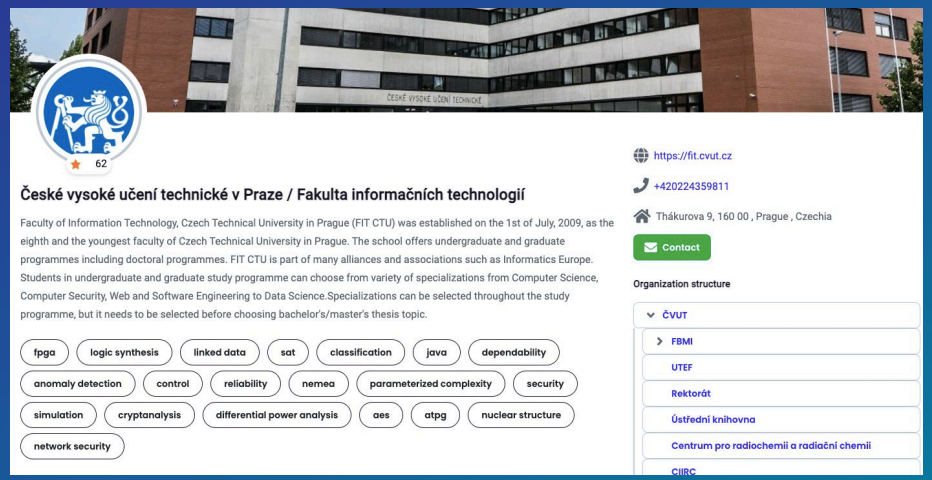
EXPERTS.AI is a smart matchmaker connecting the right research to the right application.

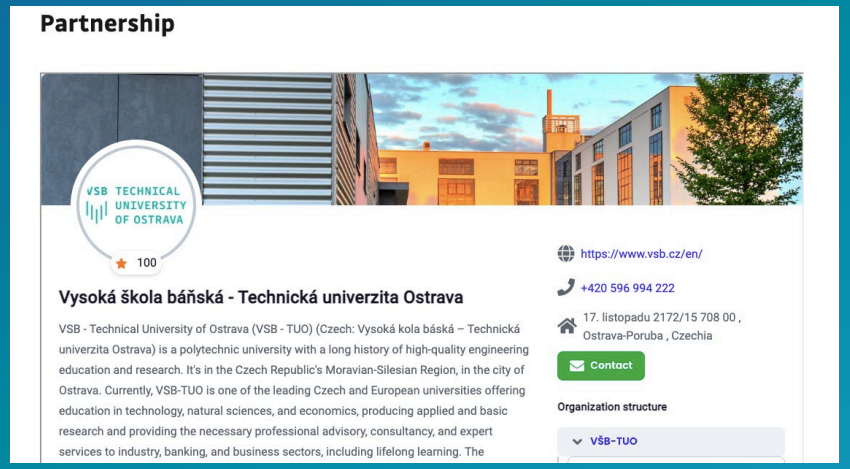
As a **AI-powered platform** crunching vast amounts of scientific data or as a **built-in widget on websites of universities**, EXPERTS.AI links companies with top scientists to create remarkable business innovations. EXPERTS.AI is all-in-one tool to present:

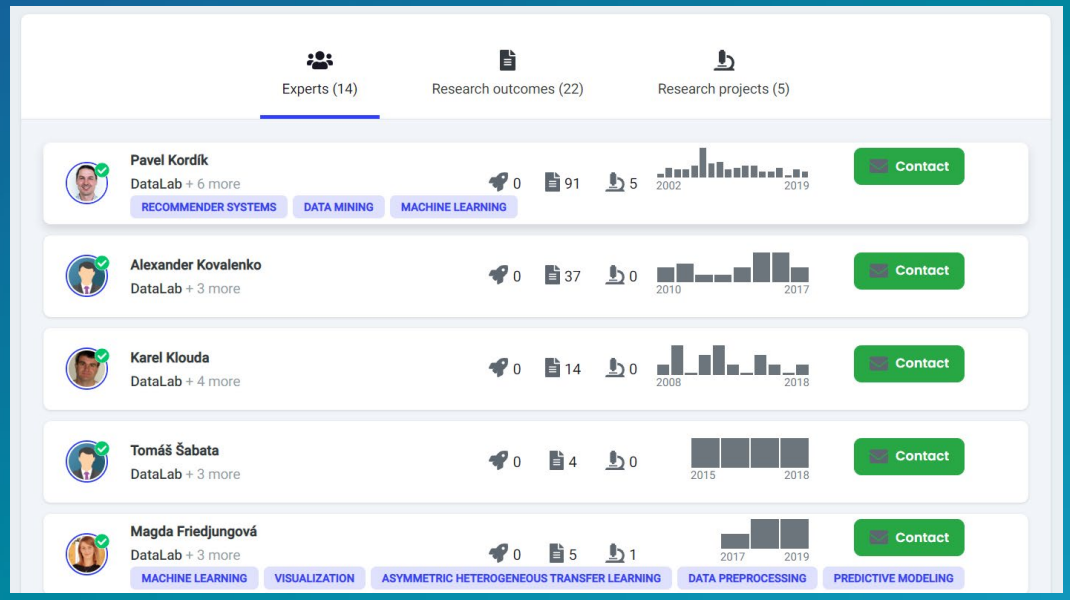
- ✓ scientists
- ✓ research outcomes such as patents, publications, or projects
- ✓ equipment and spin-offs

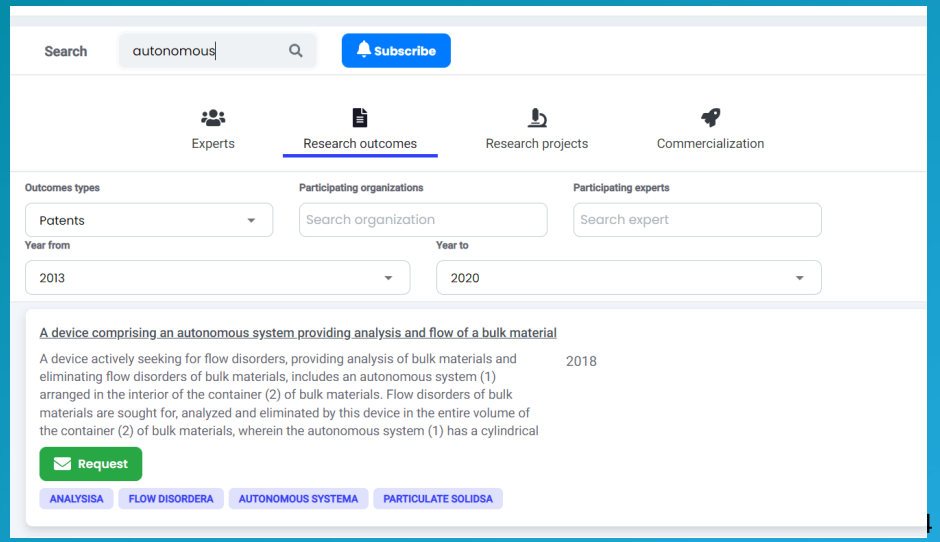
SOLUTION

Widgets on university websites

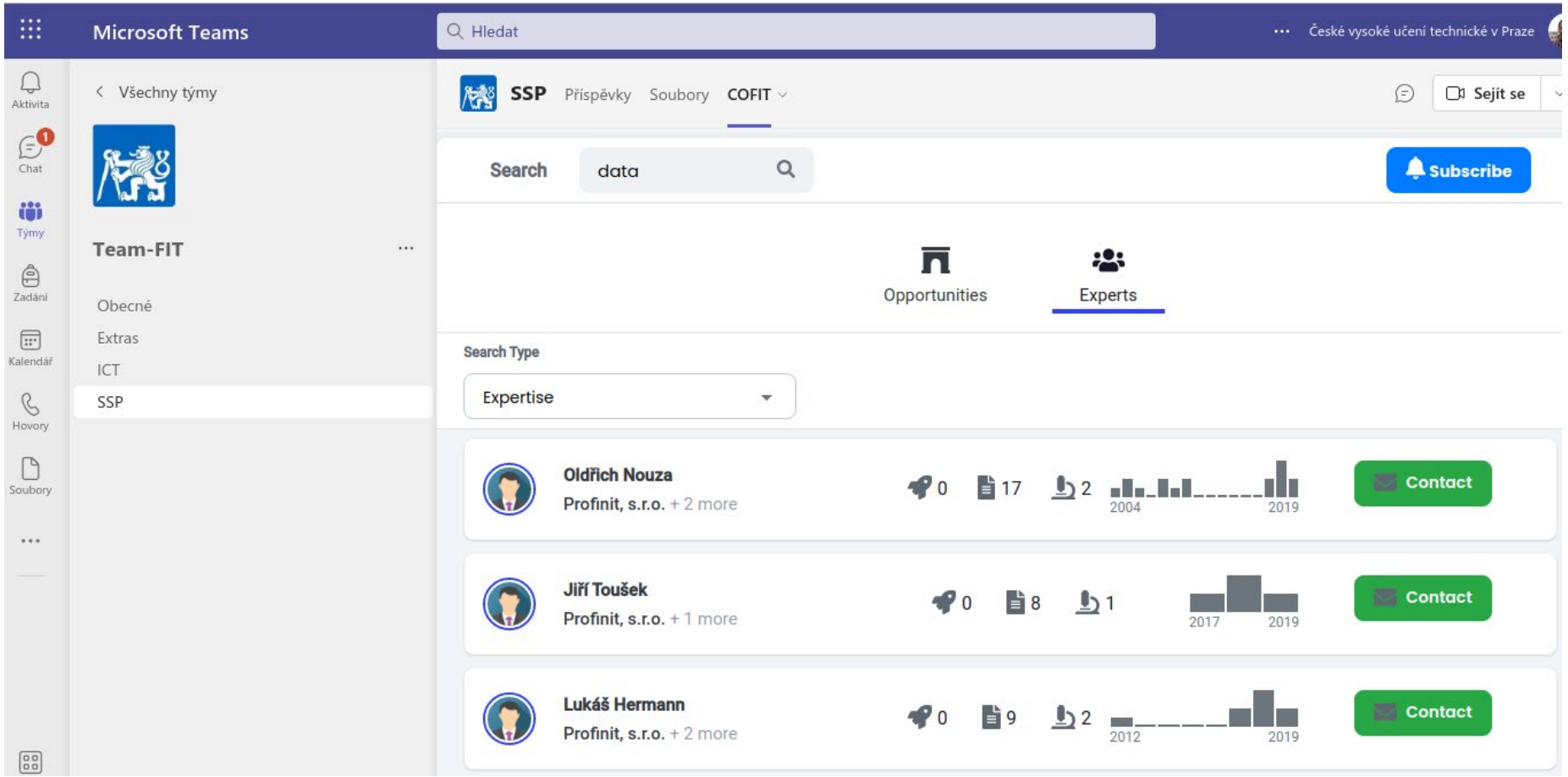








Easily customizable and integrated to websites or intranets

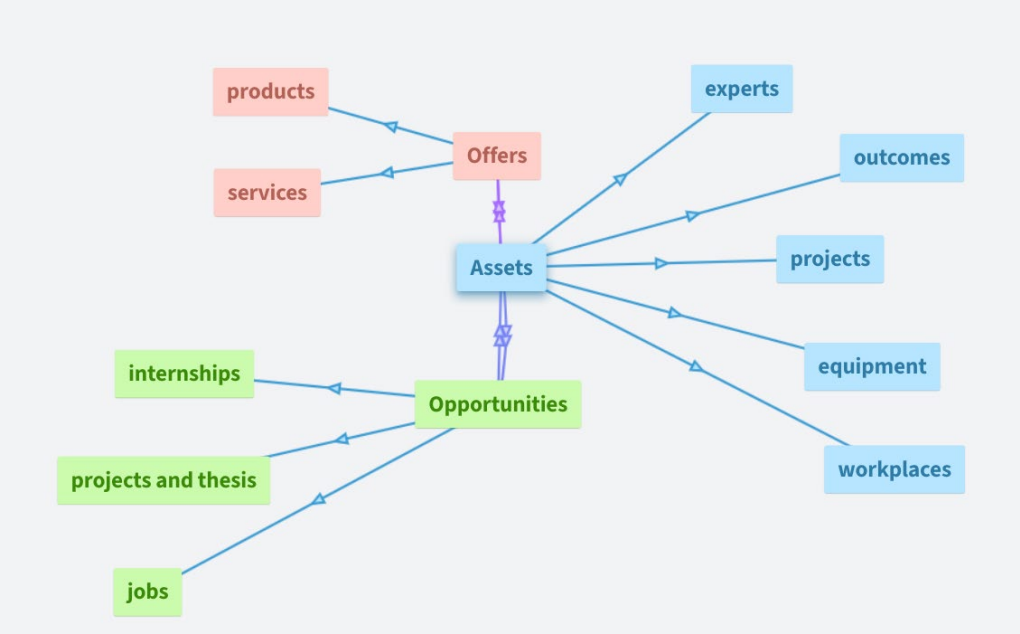


Secure and compliant

We provide all legal materials that are necessary, our solution is secure and fulfills all required data protection standards such as the GDPR.

COMPLIANT

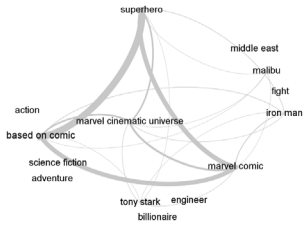
AI algorithms used and developed for EXPERTS.AI



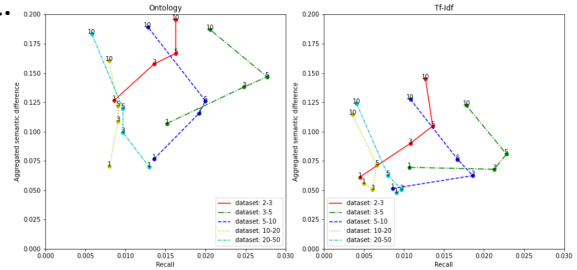
ALS training:

$$\forall p_i : L(p_i) = ||R_i - P_i \times Q^T||_2 + \lambda \cdot ||p_i||_2$$
$$\forall q_j : L(q_j) = ||R_i - P \times Q_j^T||_2 + \lambda \cdot ||q_j||_2$$

Ontology:



Improvement:

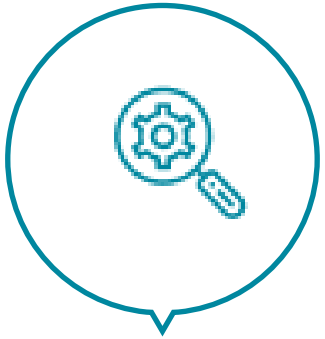


AI-technology to better understand and represent data on research and innovation

Transformers,

graph neural networks,

smart ontologies



Smart data

and present right data to the right users

Recommender systems with constrains,

personalized search,

learning to rank algorithms,

semantic suggestions

Smart recommendation and personalized search

Our clients

FACULTY OF INFORMATION TECHNOLOGY CTU IN PRAGUE

UNIVERSITY OF MARYLAND

UNIVERSITY OF WEST BOHEMIA

FACULTAS SCIENTIARUM VETERINARIARUM BUDAPESTINENSIS 1787

VSB TECHNICAL UNIVERSITY OF OSTRAVA

UNIVERSITAS TPHILISENSIS 1918

University of Hradec Králové Faculty of Science

ŠKODA

FACULTY OF BIOMEDICAL ENGINEERING CTU IN PRAGUE

Reference

Marcel Jiřina

Dean, FIT CTU

Nikolas Mucha

Commercialisation Specialist,
VSB-TUO

Piotr Kulczakowicz

UM Ventures' Senior Innovation
Manager, University of Maryland

Our Vision

Golden standard for presentation of intellectual assets.

Academic institutions globally use EXPERTS.AI to present their experts, research outcomes and lab equipment.

Universities also use EXPERTS.AI to present opportunities for their students such as internships or research positions.

Global marketplace for companies to innovate.

EXPERTS.AI serve as a single point of access to intellectual assets globally. EXPERTS.AI enable companies to look for specific expertise in academic and in research institutions in all fields of research around the world in one time and at one place.

Positive social and economic impact.

EXPERTS.AI foster and speed-up innovations globally and create positive social andeconomic impact by enabling exciting research outcomes to turn into real-life applications.

UNICO

We bring academia closer to business.

Vojtěch Nosek

CEO & Co-founder

Email: vojtech.nosek@unico.ai

Phone: +420 777 312 839

UNICO.ai CZ, s.r.o.

IČ: 06118313

Lazarská 13/8, Nové Město, 120 00 Praha 2

unico.ai | info@unico.ai | +420 737 701 586