

# Unlocking Commercial Potential & Boost Innovation in ASEAN

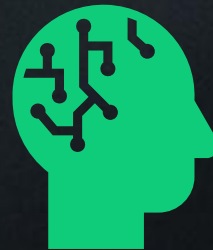
Patsnap's Perspectives on enabling ASEAN  
IP Data Value through AI



- **3 key topics for today's agenda**



**Increasing Value of ASEAN  
Patent Data**



**Patsnap Capabilities to  
Unlock Value for ASEAN**



**Success Stories and Potential  
Implication to ASEAN**

## ○ Increasing Value of ASEAN Patent Data



**Why do we believe that ASEAN can be a global Innovation Hub?**



**Why do we need the ASEAN Patent data at this point?**



- The rising ASEAN economy is generating massive data, but still waiting to unlock the potential values for innovation



ASEAN is a rising pole of global economy...

... and could be the next hub of innovation

	ASEAN In 2023	as % of global
Huge Population	660 million	~8%
Rising GDP	\$3.8T	~7%
Increasing trade in good and services	\$4.5T	~9%
Bursting FDI inflow	\$230B	~18%

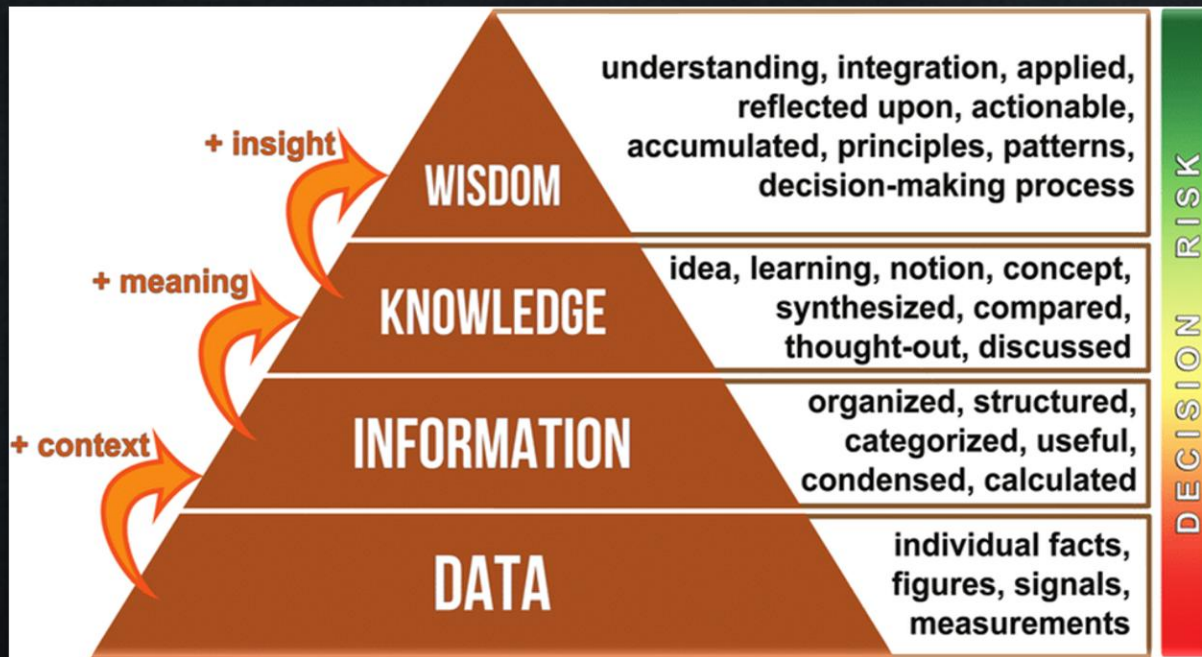


- +15K inventions seeking protection in 2022 vs 2012
- Foreign patent filings accounting for 6/7

- AI capabilities will be the key to unlocking data's potential and driving exponential growth for ASEAN development 

AI can help us to turn data to true value,  
but DATA is the FOUNDATION

To unlock the exponential benefits for  
ASEAN countries



**Government**

AI-driven Efficiency



**Corporates**

AI-enhanced Innovation Capability



**Society**

Future-ready AI culture

- **Patsnap Capabilities to Unlock Commercial Values**



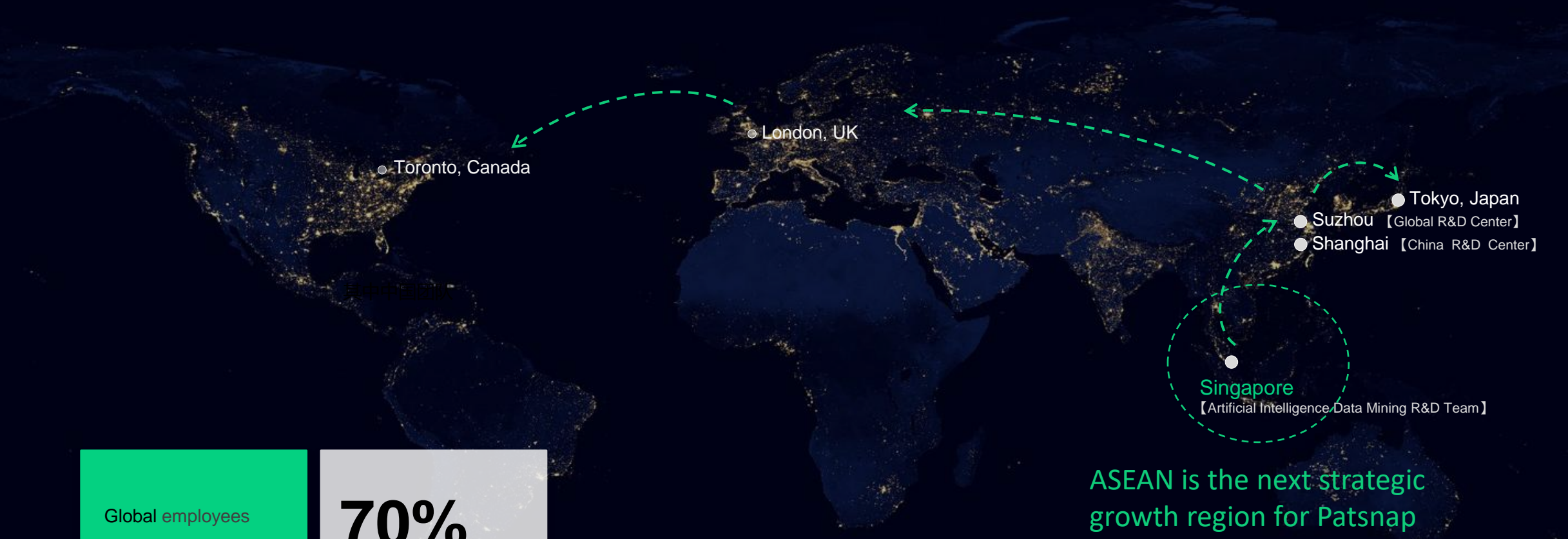
**Who is Patsnap?**



**Why shall Patsnap support this WIPO initiative?**



# Patsnap was born in Singapore, raised in Asia and expanded to the global



Global employees  
**1200+**

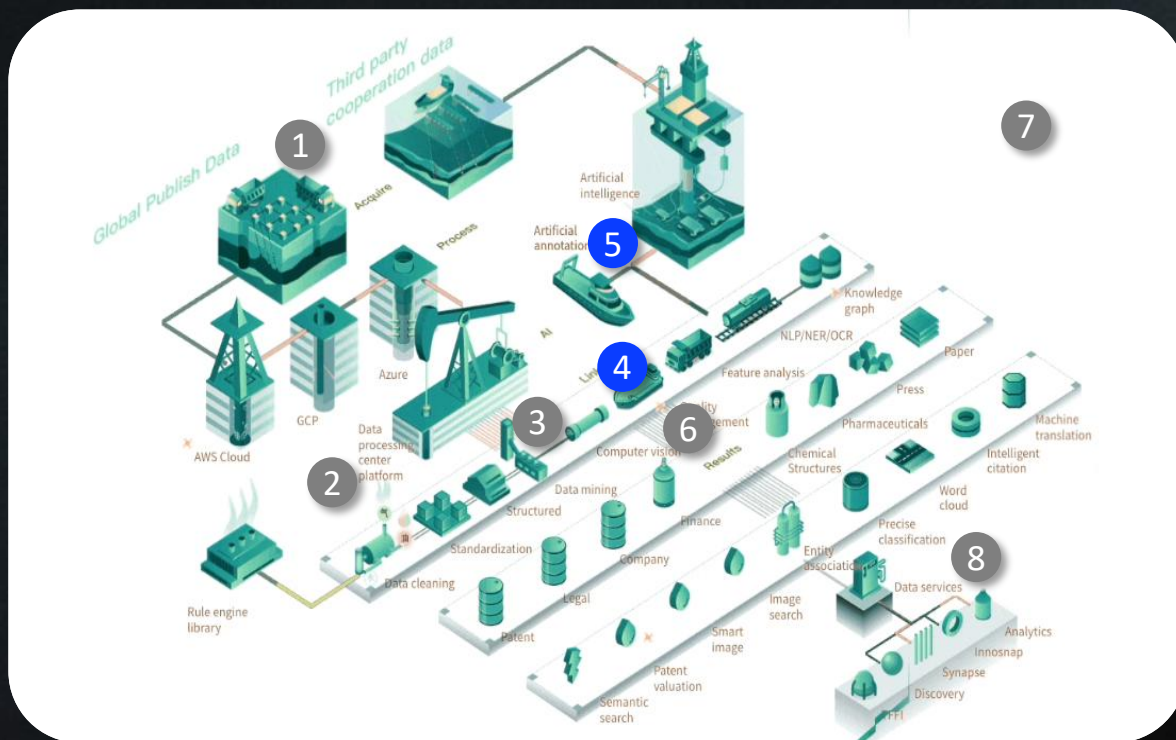
**70%**  
being technology  
developers

ASEAN is the next strategic  
growth region for Patsnap

# Our advanced Data Processing capabilities and talents can drive success for this Initiative...



Ensure the quality of data is high



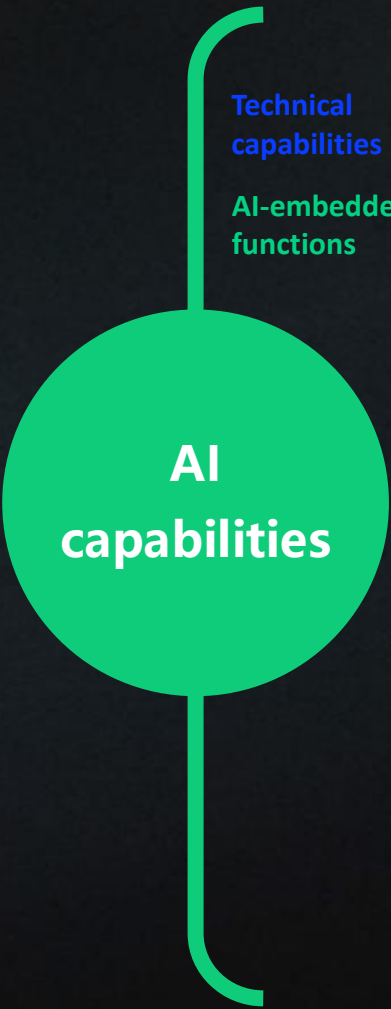
## Key capabilities

## Related talents

- |   |                                     |                       |
|---|-------------------------------------|-----------------------|
| 1 | Data acquisition                    |                       |
| 2 | Data processing                     | Data engineer         |
| 3 | Data mining                         | Data scientist        |
| 4 | <b>Data quality assurance</b>       | <b>QA</b>             |
| 5 | <b>Data indexing and annotation</b> | <b>Data annotator</b> |
| 6 | Data extraction and linkage         |                       |
| 7 | Data operation and security         | Data security         |
| 8 | Data services/consumption           |                       |



# ...and since Day1, we have been pushing the boundaries of patent intelligence with groundbreaking AI capabilities



Technical capabilities

AI-embedded functions

### LLM

PatGPT / PharmGPT

A screenshot of a web interface for LLM capabilities. It features a text input area with a "Generate" button. Below the input, there are several sections: "Summary", "Technical Problem Summary", and "Technical Solution Summary". The "Summary" section contains a brief overview of the patent. The "Technical Problem Summary" section describes the problem addressed by the patent. The "Technical Solution Summary" section describes the solution provided by the patent. The interface also includes a "View here" link and a "Feedback" button.

### Machine Translation

Languages translation

A screenshot of a web interface for Machine Translation. It shows a text input area with a "Translate" button. Below the input, there are two sections: "Abstract" and "Description". The "Abstract" section contains a translated abstract of a patent. The "Description" section contains a translated description of a patent. The interface also includes a "View here" link and a "Feedback" button.

### Computer vision

Image Search / OCR / TableOCR

A screenshot of a web interface for Computer Vision. It shows a search bar with the text "1-100 自行车". Below the search bar, there are several images of bicycles. The interface also includes a "View here" link and a "Feedback" button.

### Semantic

PatentSemantic / Knowledge Graph

A screenshot of a web interface for Semantic capabilities. It shows a text input area with a "Generate" button. Below the input, there are several sections: "Abstract", "Description", and "Claims". The "Abstract" section contains a translated abstract of a patent. The "Description" section contains a translated description of a patent. The "Claims" section contains a translated list of patent claims. The interface also includes a "View here" link and a "Feedback" button.

### Information Extract

Claims comparison

A screenshot of a web interface for Information Extract capabilities. It shows a text input area with a "Generate" button. Below the input, there are several sections: "Claims", "Comparison", and "Summary". The "Claims" section contains a list of patent claims. The "Comparison" section contains a comparison of the claims. The "Summary" section contains a summary of the claims. The interface also includes a "View here" link and a "Feedback" button.

### Relation Extract

Smart Image

A screenshot of a web interface for Relation Extract capabilities. It shows a technical drawing of a mechanical part with numbered callouts (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25). The interface also includes a "View here" link and a "Feedback" button.

- As a result, we can process Data that are vast, diverse, highly interlinked, and automated



Efficient Data Processing

+

Well-rounded data governance

Patent ...      General R&D...      Chemical & Materials R&D...      Biology R&D...      Life Science R&D...



320+ patent fields

430+ Corporate fields

210+ Life Science fields

20+ types with solid interlinkage, >2B diversified patent & R&D data, codified into 1000+ fields, updated daily

- **Success Stories and Potential Implication to ASEAN countries**



**How can people use the IP data from this future platform?**



**What are the benefits to boost the various industries in ASEAN countries?**



○ Patent office | Data is highly valuable, providing insights to enhance operations and support innovation ecosystems



Digitize historical documents

Quick and accurate Prior Art Search

Improve workflow for examination

Streamline the process with AI

Draft written opinion

...

...

Enable R&D Team with patent data

Monitor innovation

Nurture the market in academia

Support IP professional Training



- **Government | Enable government and agencies to drive innovation, develop policies, and build up ecosystems**



# Financial industry | Empower the assesses R&D stability and competitiveness to navigate investment opportunities



## Investment decision

Patent data provides insights into a company's **innovation potential and competitive edge**, which are vital for assessing its market position and future growth.



## Risk mitigation

Patents can **alleviate financing constraints** for smaller firms by signaling their innovative capabilities to potential investors.



## Monetization and IP-backed Financing

Patents can be valued and leveraged as **collateral for loans** or other financing instruments. Financial firms can assess the revenue potential of licensing patented technologies.

## Value brings to ASEAN

Help financial institutes to acquire customers accurately

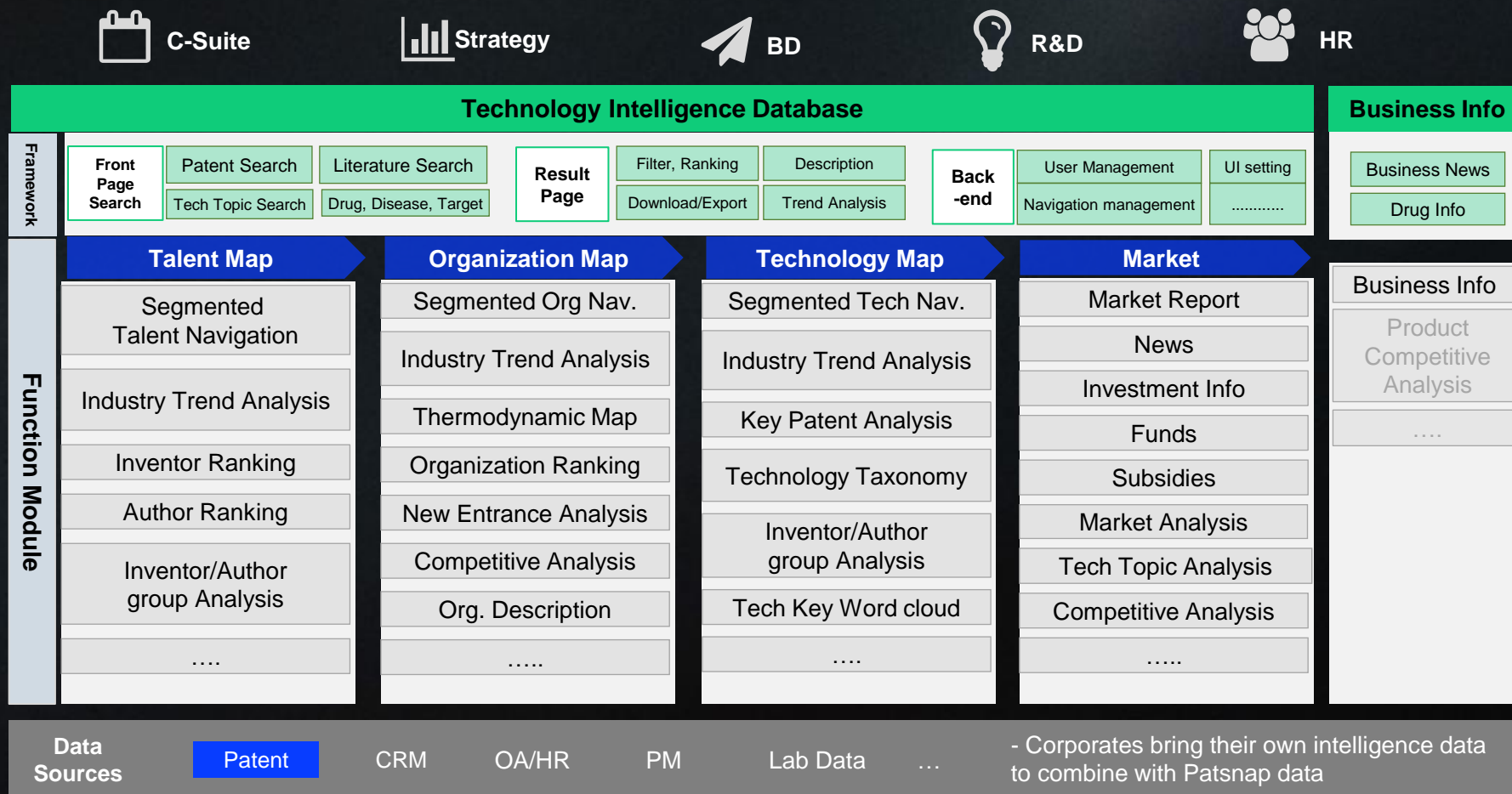
Minimize the risks for bad det from the loans to SME

Enhance the profitability of bank

# Private sector | IP data is an important source to support decision-making and innovation



## Internal Intelligence Platform



### Key use cases

- Tech scouting
- M&A
- Talent acquisition
- Competitors monitoring
- ...

### Value brings to ASEAN

- Help traditional companies to transform
- Build competitive advantages
- Identify potential experts and professional in different industries
- ...

# Thank you!

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