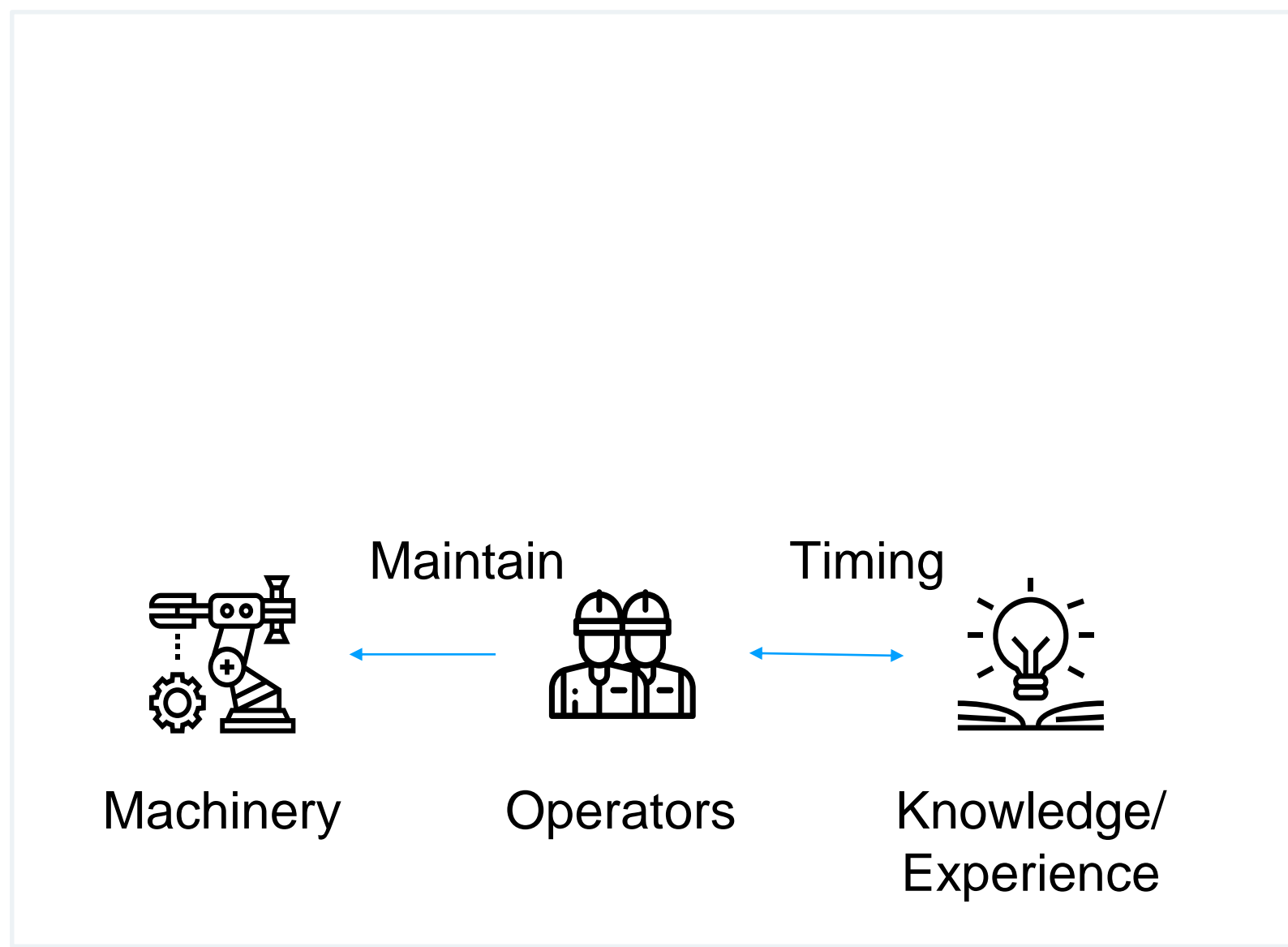
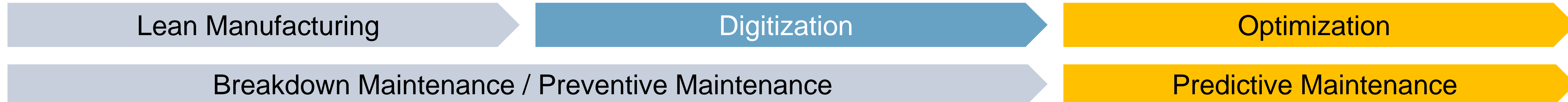


C4IR Brasil

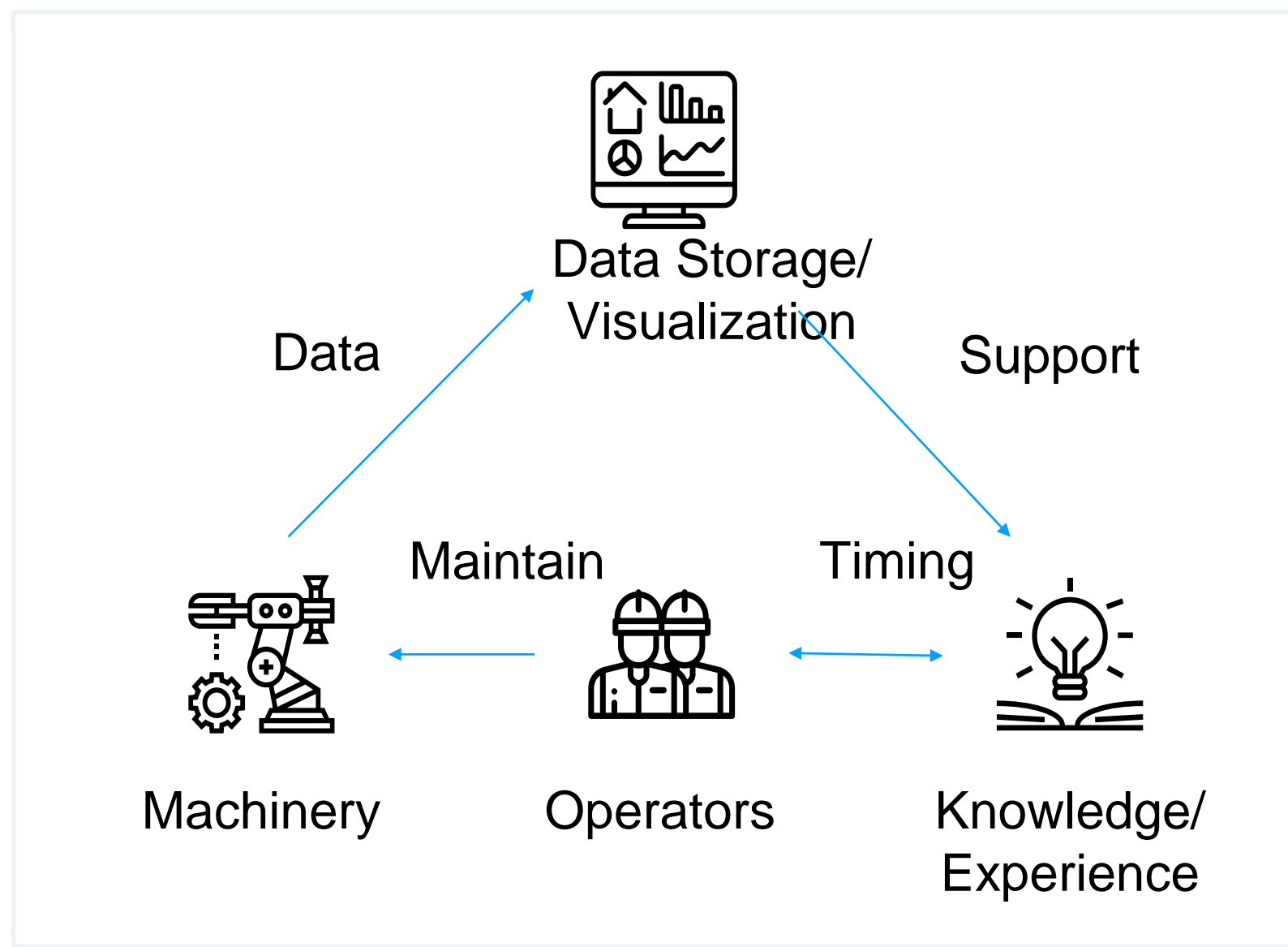
CENTRO PARA A 4ª REVOLUÇÃO INDUSTRIAL

SME Futures Network

The Evolution Goal

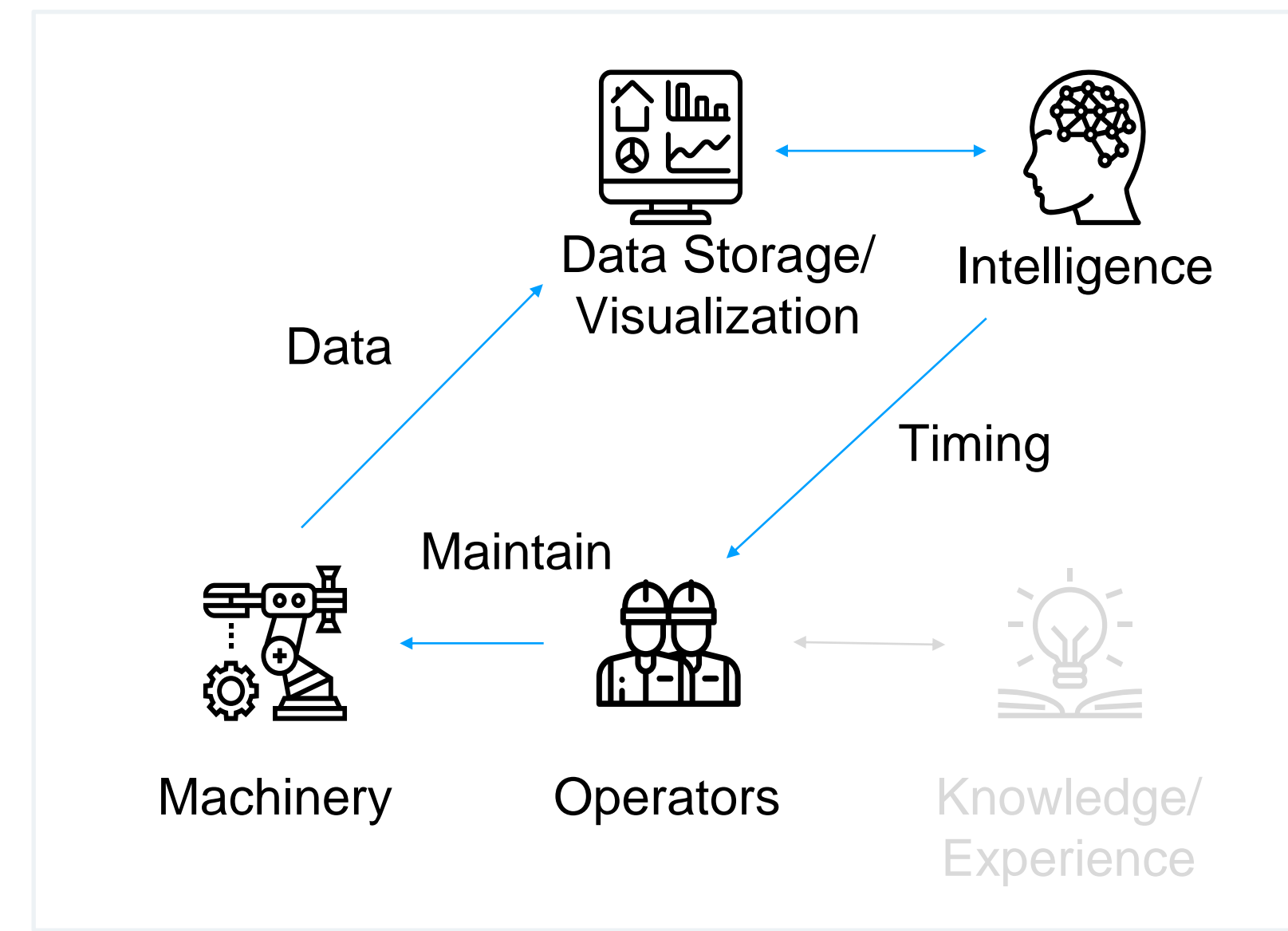


- **Timing**
 - Periodical
 - Breakdown happens
- **Rationale**
 - Experience
 - Statistics



- **Timing**
 - Periodical
 - Breakdown happens
- **Rationale**
 - Experience
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Digitization support maintenance way, but basically doesn't change the way



- **Timing**
 - Intelligence alarms
- **Rationale**
 - Pattern analysis based on analytics
 - Explainability sometimes loses
 - Algorithm selection is important to improve

Intelligence requires engineers a new way to communicate with tech providers in terms of data governance and reasoning of algorithm

How to support SMEs to evolve towards **Digitization**

To transform their business, management faces several challenges

1. People and Capabilities
2. Business strategy, return on investment and access to capital
3. Infrastructure and processes
4. Technology readiness
5. Ecosystem maturity

For reflexion:

A) How do your challenges look like?

B) How to create a compelling experience to motivate continuous technology adoption?

60 hours of **expert support** with 6 main objectives:

- Develop their IIoT their business case;
- Identify the most suitable IIoT use cases and technology solutions;
- Evaluate technology vendor options, considering risks such as vendor lock-in and reputation;
- Deploy the technology, train users and implement the IIoT use case;
- Estimate the return on investment;
- Evaluate operating model changes needed to take advantage of the IIoT solutions implemented

Grant of + US\$ 3.000,00 – plug and play solution, low cost, fast implementation

For reflexion:

A) How to test a prototyping model that reflects the business environment and stimulates identification of key aspects for ecosystem development?

The Results

Performance Improvement



21,6 %
OEE

191,6 %
ROI

4,1 months
payback

Outcomes	80 companies fully assisted
	105 maturity assessments done
	29 vendors connected
Common solutions	Industrial processes monitoring
	Paperless optimization
	Tracking of assets
Learnings	Public seed money is vital to create awareness
	+80% of the companies are willing to continue investing in IoT by its own funding

For reflexion:

A) What is your definition of success?

Obrigado

The background features a dark purple gradient with dynamic, flowing lines in shades of blue and purple. A network of white nodes connected by thin lines is visible in the lower half of the image, suggesting a digital or industrial theme.