

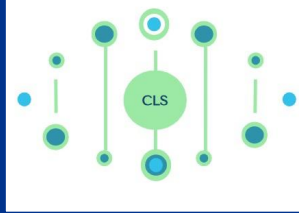


H₂
Hydrogen

CHEMLABSERVICES - MobHyLab Project – Pitch Deck

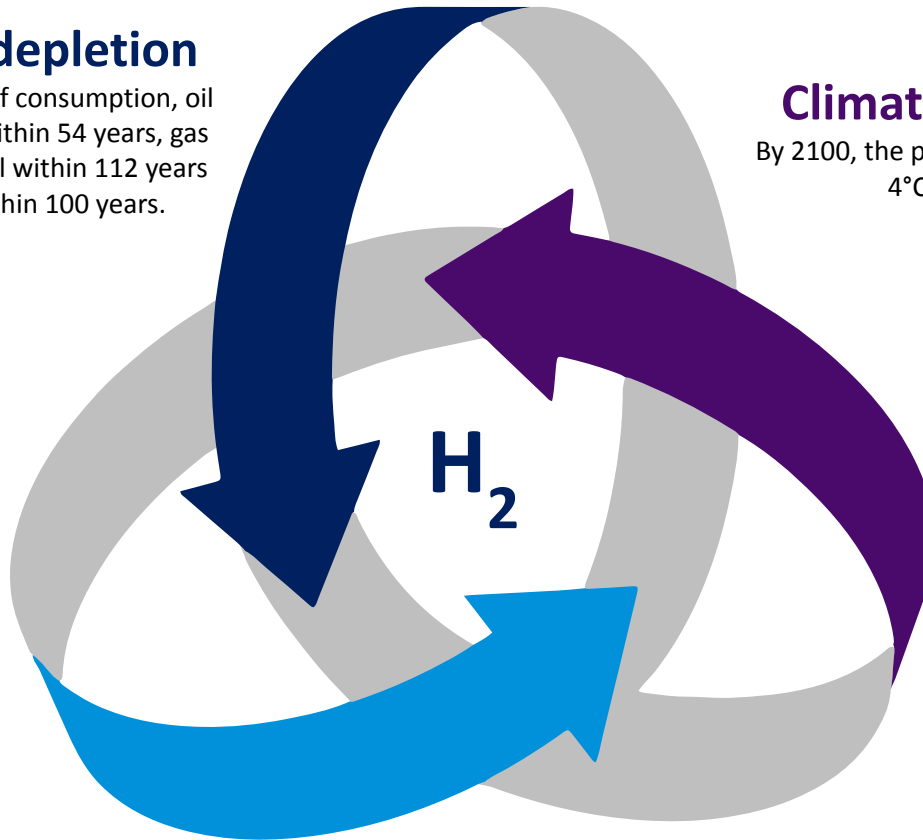
Octobre 2024

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Resource depletion

At the current rate of consumption, oil will be exhausted within 54 years, gas within 63 years, coal within 112 years and uranium within 100 years.



Increased energy consumption

The International Energy Agency has estimated that global energy demand could increase by 45% by the year 2030

Climate evolution

By 2100, the planet will warm by 2 to 4°C on average

- Drastic increase in the use of new energy vectors such as hydrogen, however...
- Depending on the hydrogen source, the gas may present potential interference that could damage the user system's motor.
- A malfunction on production line or refueling stations can be detrimental for operators.

Description du projet

- Analytical services to support the development of the use of hydrogen (ISO 14687 quality)



Limitation of environmental impacts (sustainable mobility)

The existing offer on the market**4 actions** for Characterization of gases:

1. Sampling emissions by a technician
2. Sending collected samples to the laboratory
3. Chemical analysis
4. Summary of results on a test report

Process Duration:

**15
Days**

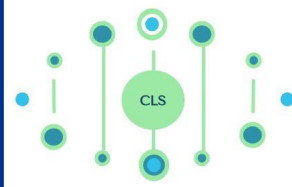
**The offer proposed by the project****2 actions** for Characterization of gases:

1. Sampling and analysis on site using a hydrogen vehicle equipped with chemical analysis tools in line with customer demand
2. Summary of results on a test report

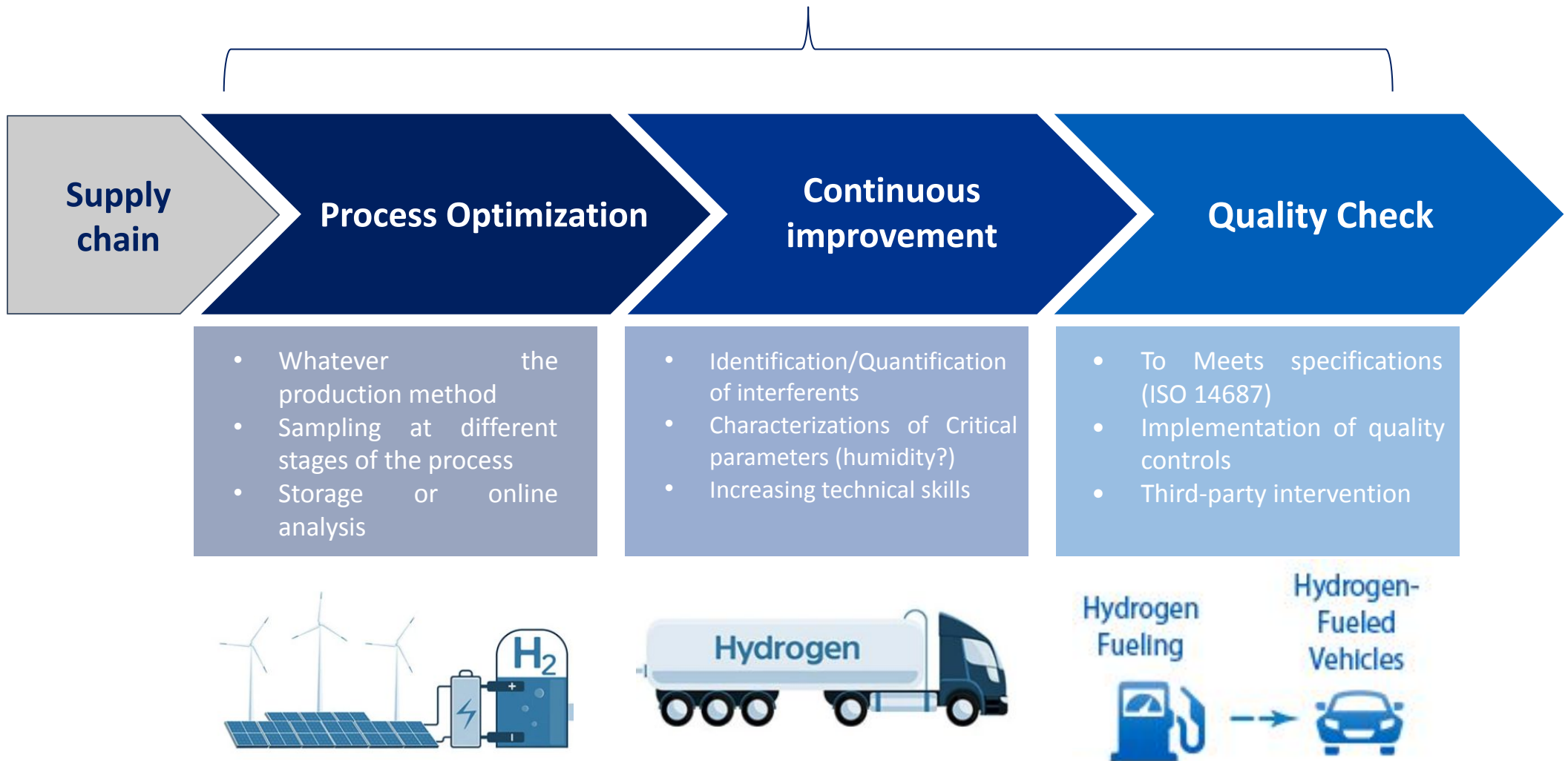
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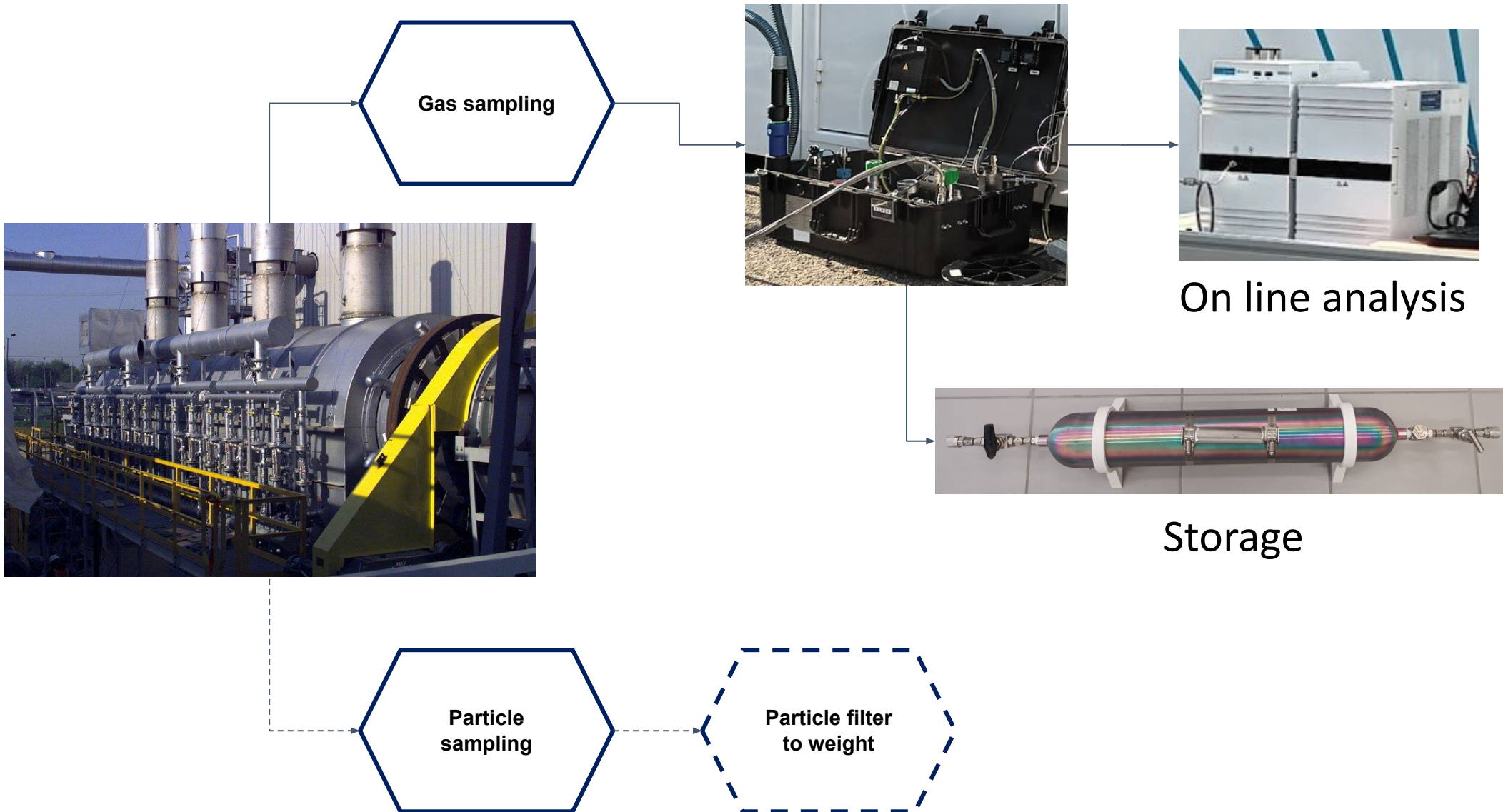
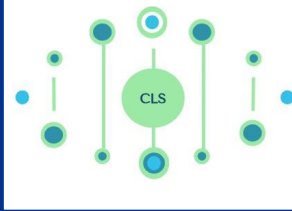


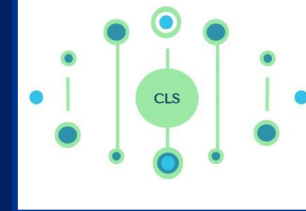
Simplification of the analysis protocol allowing dynamic gas analysis



MobHyLab







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Dynamic Analyses

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