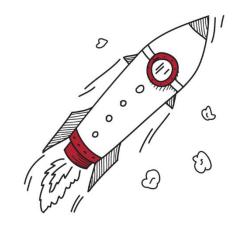


Aluflexpack Innovation challenge #3



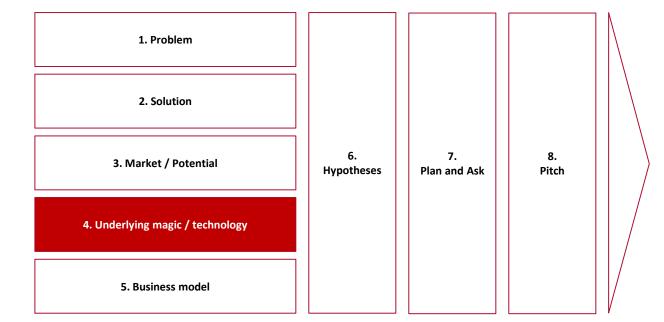
Technology Readiness

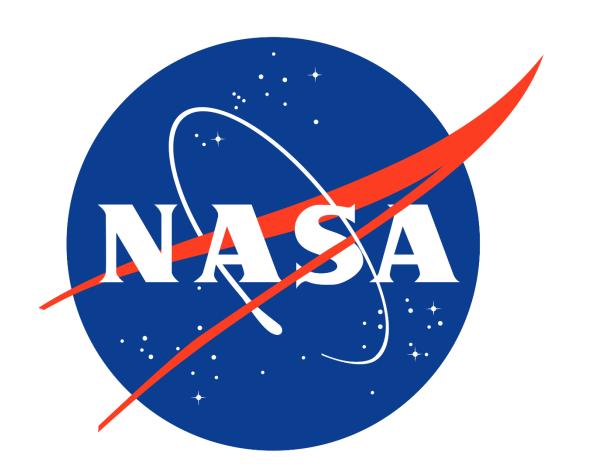
11 September 2024

"We become the most integrated success maker for a lasting packaging experience!"

Idea Maturation framework



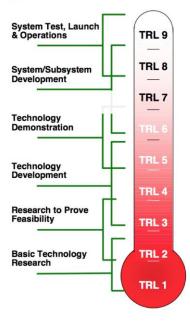








NASA/DOD Technology Readiness Level



Actual system "flight proven" through successful mission operations

Actual system completed and "flight qualified" through test and demonstration (Ground or Flight)

System prototype demonstration in a space environment

System/subsystem model or prototype demonstration in a relevant environment (Ground or Space)

Component and/or breadboard validation in relevant environment

Component and/or breadboard validation in laboratory environment

Analytical and experimental critical function and/or characteristic proof-of-concept

Technology concept and/or application formulated

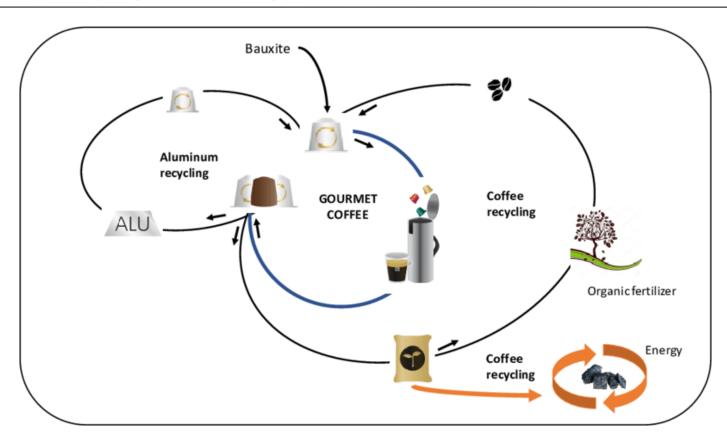
Basic principles observed and reported

Technology Readiness Levels

- TRL 0: Idea. Unproven concept, no testing has been performed.
- TRL 1: Basic research. Principles postulated and observed but no experimental proof available.
- TRL 2: Technology formulation. Concept and application have been formulated.
- TRL 3: Applied research. First laboratory tests completed; proof of concept.
- TRL 4: Small scale prototype built in a laboratory environment ("ugly" prototype).
- TRL 5: Large scale prototype tested in intended environment.
- TRL 6: Prototype system tested in intended environment close to expected performance.
- TRL 7: Demonstration system operating in operational environment at pre-commercial scale.
- TRL 8: First of a kind commercial system. Manufacturing issues solved.
- TRL 9: Full commercial application, technology available for consumers.

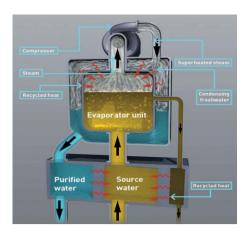
The underlying technology



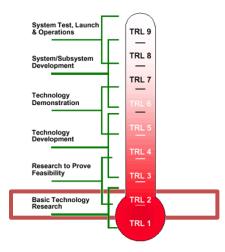




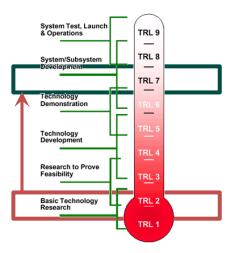
1. What are the key technologies/underlying magic needed to realise your idea?



2. What is the TRL of these technologies?



3. What will it take to get to TRL 7 or above (i.e. "real world")?



Instructions



Instructions

- Which underlying magic is needed to realise your idea?
 List all the "technologies" and then focus on the most critical
- What is the current TRL of that "technology"?
- What will it take to achieve TRL level 7 ("Real world demonstration") or above?

Technology Readiness Levels

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