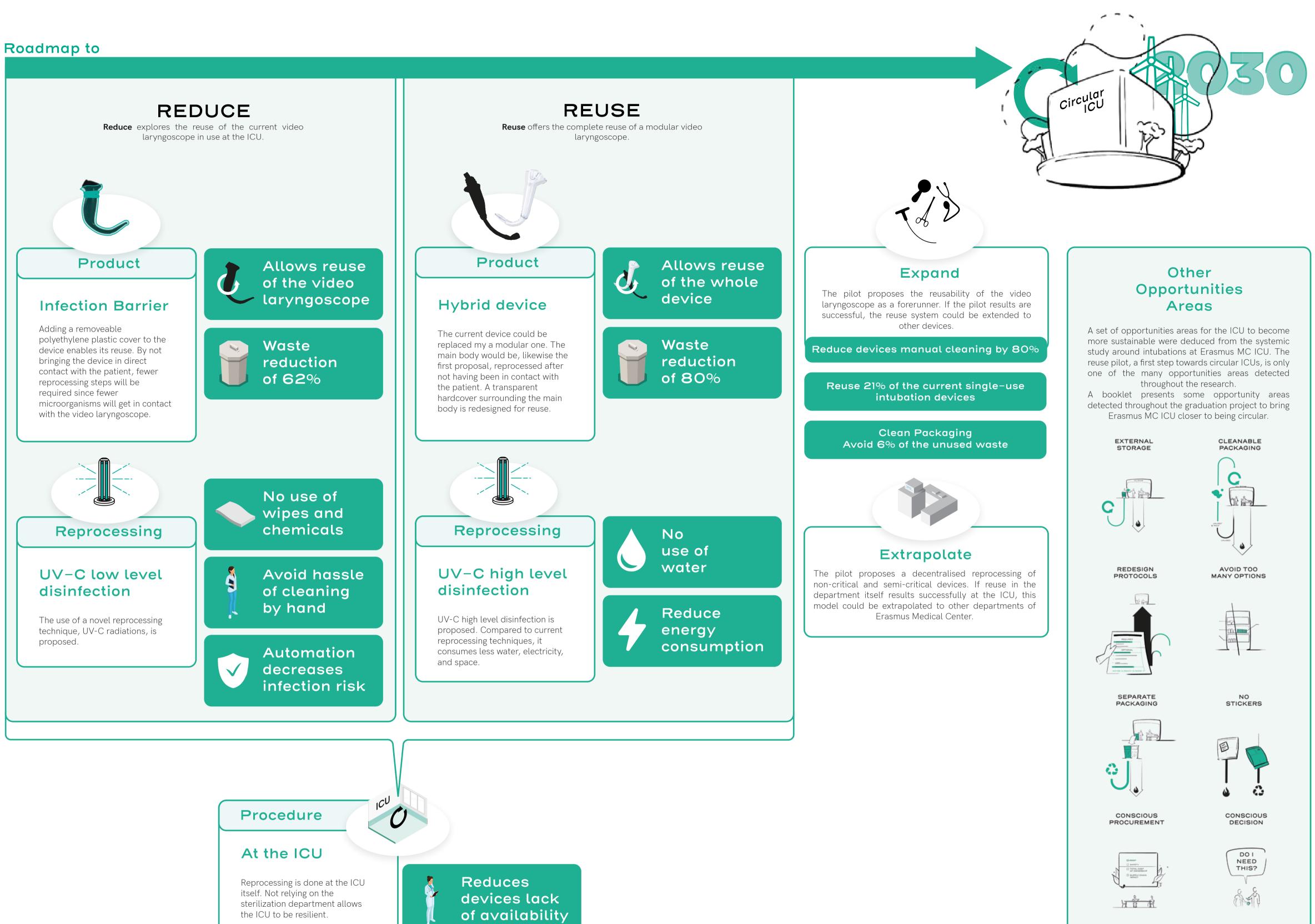
Towards Circular ICUs

Reuse of intubation devices as a catalyser for systemic change

> This project aims to reduce the Intensive Care Units' environmental impact, the department that provides constant care to critical patients. One of the most common and wasteful ICU procedures is intubation, needed when patients cannot breathe by themselves.

> A set of challenges derived from the research were used to ideate on different systems which could improve intubation sustainability. It was decided to detail further a system that allows reuse of devices, articulating the first pilot around a specific product, the video laryngoscope.

This video laryngoscope is used to intubate patients. It is composed of various plastics and electronics and has a relatively high procurement cost. Nevertheless, it is a single-use device, disposed of and incinerated after a few minutes of use.



Alicia Ville Towards circular ICUs. Reuse of intubation devices as a catalyser for systemic change. 16th March 2022 Integrated Product Design

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