

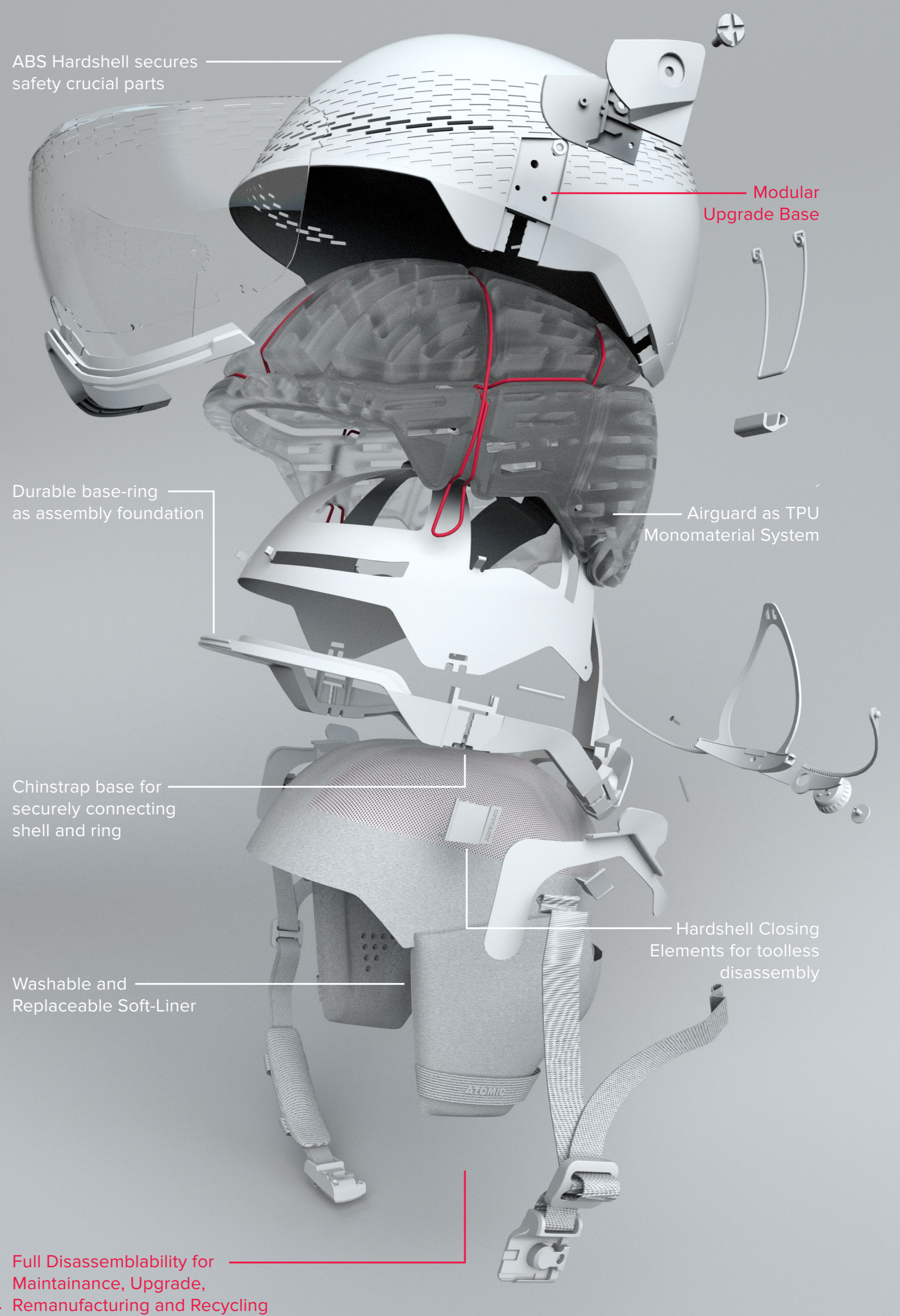
AIR GUARD

CIRCULAR SKI-HELMET

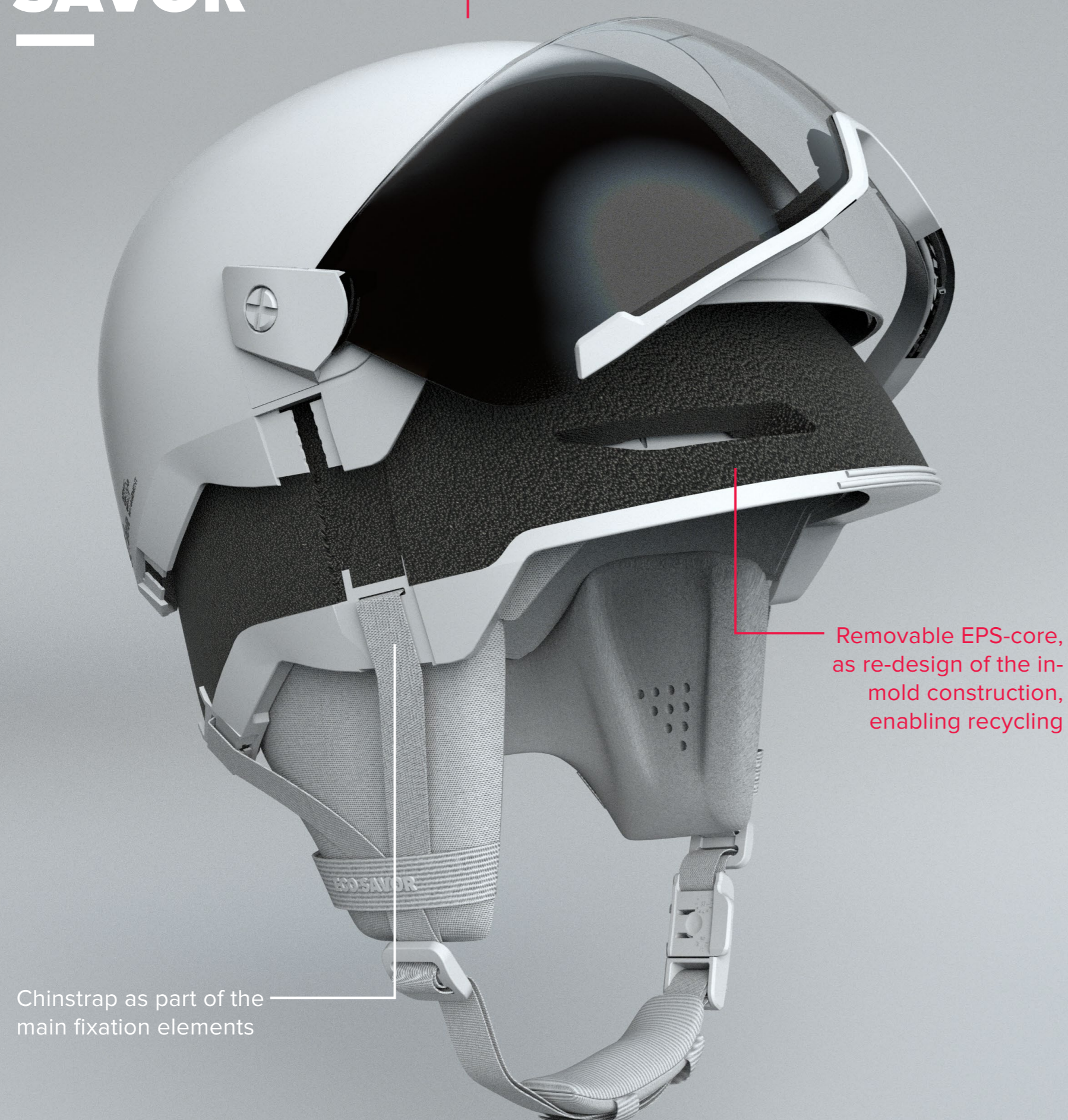
A Vision for Transitioning Ski-Helmets into the Circular Economy and its Systems of Maintaining, Increasing & Regaining Product Value.

Ski-helmets are currently unsustainable. They are single-impact items with product architectures and materials that prevent disassembly and recycling.

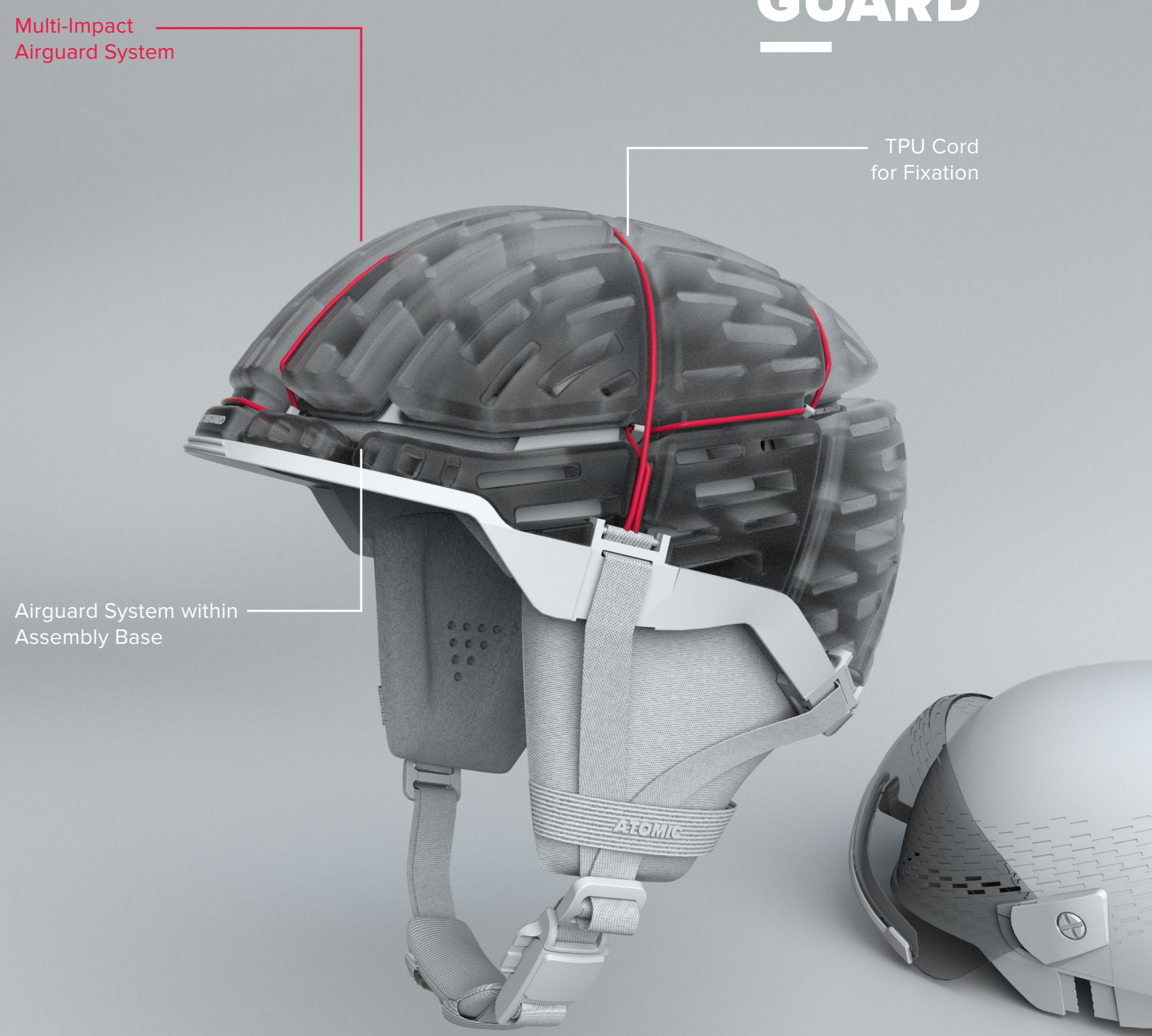
Two concepts are presented: A near-future solution focusing on design for disassembly and recyclability and a vision-concept enabling multi-impacts and remanufacturing through a novel form of energy management — The Airguard concept. Empowered by a product take-back system and a modular upgrading base, these concepts are designed to gradually decrease impact and preserve resources, energy and value. The thesis should stand as a vision-roadmap and inspiration for future developments within the industry.



ECO SAVOR



AIR GUARD



Martin Steffner
Airguard — Circular Ski-Helmet
16.07.2021
Integrated Product Design

Committee Bas Flipsen
Wouter Kets

Company Atomic Skis
Mentor Peter Wirthenstätter

