Enter circularity with



Close material and data loops with



Problem Statement

Currently, no circular solution - all medical waste is incinerated, including highvalue materials.

In Switzerland, MedTech companies are responsible for annually emitting 3.5% of total CO₂ emissions.

Solution

Circular medical device ecosystem = Pathfinder + RePath

RePath is an ecosystem for collection, recycling and redistribution of single-use medical devices from operation rooms. Pathfinder is the physical gateway to it. RePath is a collaborative effort by MedTech companies addressing the environmental challenges of medical waste.

Tracking App

Streamlined logistics

and captures emissions

PATHFINDER

Purpose

Pathfinder enables the automated sorting, registering and collection of recyclable medical devices using AI and IoT.

Manufactured from circular materials

Positioned in hospital operating rooms

Functionalities

pathfinder

Insert

Scan

Sort

Register

Upload



Consolidated data insights for RePath partners

Warehouse

RePath

Decontamination

& Recycling

Hospitals

Material buyer

Digital Marketplace

Matches orders and communication platform

REPATH

Purpose

RePath is an ecosystem that connects healthcare stakeholders to manage medical waste, data and material streams.

Benefits



Cost sharing



Data monitoring & forecasting



Network business opportunities



Sustainability reporting

AI image recognition identifies device

Paddlewheel sorts waste into correct compartments

Data upload to database once compartments are emptied

Environmental Impact



45% reduction of biohazardous waste



Save 14 tons of Swiss CO₂ Reclaim and preserve emissions annually



precious metals



System wide reduction of CO₂ emissions

























Johnson&Johnson

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Scalable. Circular. Sustainable.