

CRT: Defossilisation

Investor snapshot | A new energy infrastructure model

Problem

Renewables are scaling, but storage, dispatchability, industrial heat, and molecular energy still depend heavily on fossil fuels.

Solution

CRT uses renewable electricity to produce hydrogen, then combines hydrogen with recycled carbon dioxide to create non-fossil hydrocarbons.

Architecture

Wind and solar provide primary energy. BESS supports short-duration balancing. Non-fossil hydrocarbons provide long-duration storage and transportable fuel.

Value

CRT enables dispatchable renewable energy, works with existing gas and industrial infrastructure, and strengthens energy security.

Differentiation

Unlike batteries, hydrogen-only pathways, or stand-alone carbon capture, CRT integrates storage, fuel, and a circular carbon loop in one system.

Core insight

Carbon is not the problem. Fossil carbon is.