

# 5-Stage Value Chain

From dMRV-30 to Infrastructure Delivery — the CCAFEE architecture explained.

## Stage 1 — dMRV-30

A 30-day digital MRV cycle establishes the carbon truth of a project using satellite, IoT, and ground-truth evidence written to an immutable ledger.

## Stage 2 — CCAFEE Ledger

Each verified instrument is recorded as a sovereign-class asset, scored against all six pillars, and registered with serial-level traceability.

## Stage 3 — WAR Premium

The Whittaker Wealth-At-Risk algorithm applies an integrity-based uplift, separating high-grade sovereign instruments from undifferentiated voluntary credits.

## Stage 4 — SIP Manufacturing

Sovereign Infrastructure Products are structured against the verified instruments — turning carbon evidence into bankable infrastructure provision.

## Stage 5 — Infrastructure Delivery

Capital flows directly to in-country delivery (water, energy, soil, education) under host-nation authority, never as concessional debt.