

# Cambridge Carbon Capture Ltd

## CO<sub>2</sub>LOC - A Circular Economy Solution to Climate Change

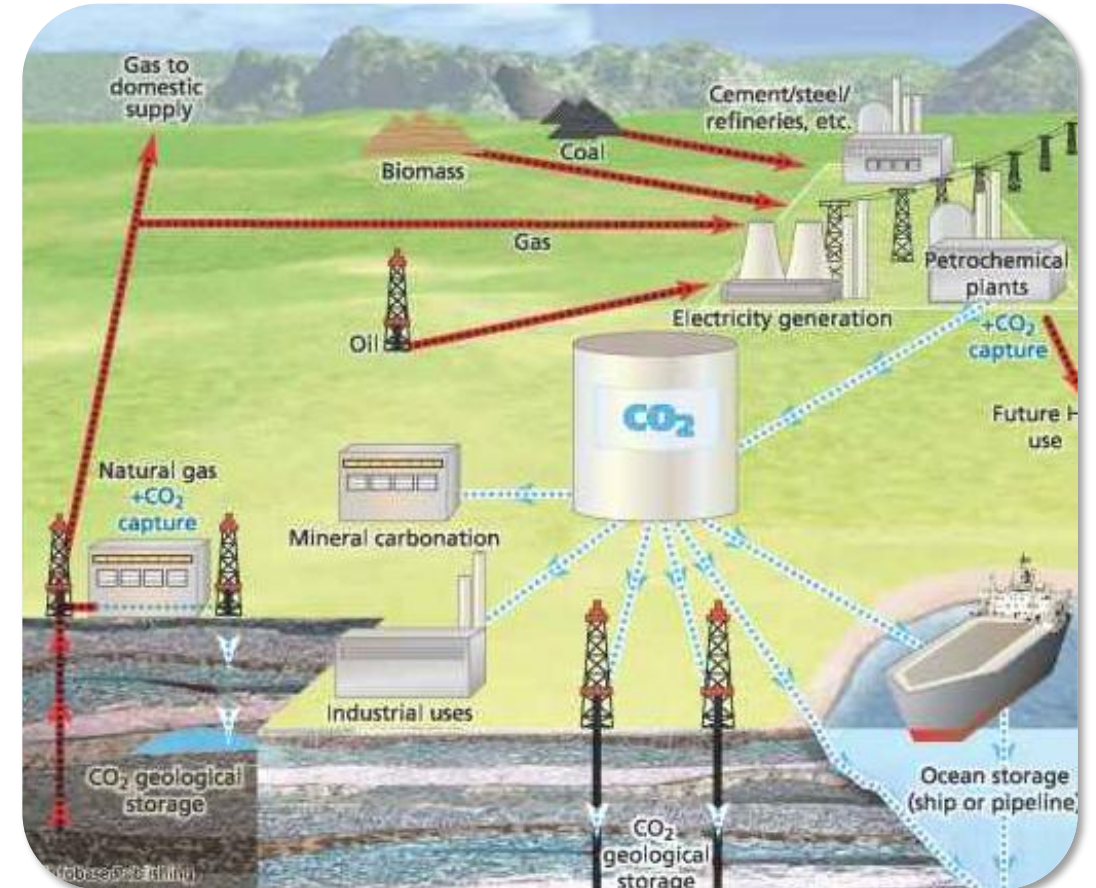
**Michael Evans**

CEO

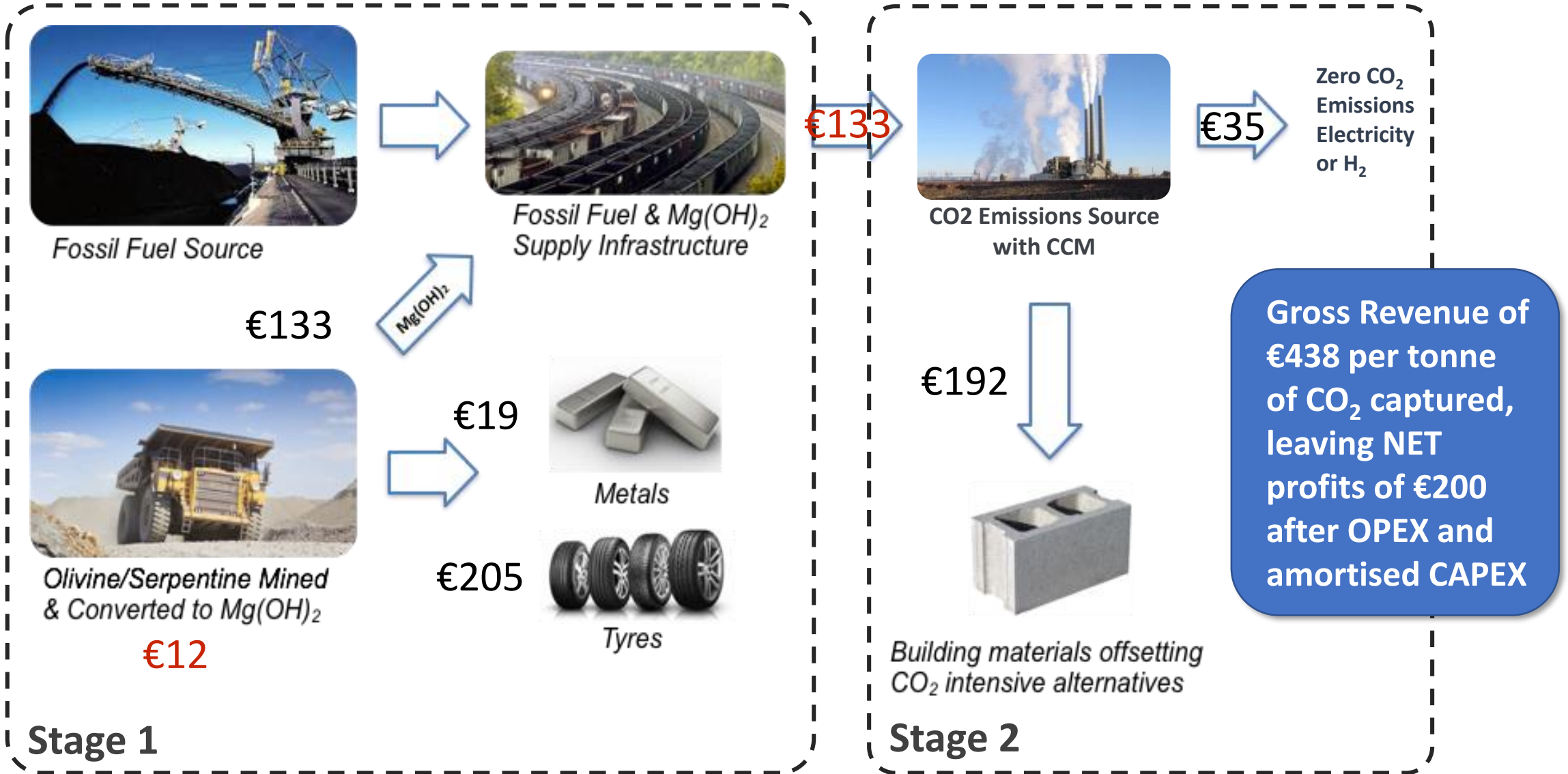


# Most CCUS Technologies Add Cost

- ▶ Carbon Capture and Storage (CCS)
  - Need expensive infrastructure
  - Energy intensive.
  - No commercial benefit.
- ▶ Carbon Capture and Use (CCU)
  - Revenues from sale of by-products offset some of the cost of capture.
  - Products can displace carbon intensive alternatives offering further CO<sub>2</sub> savings.
  - Restricted by size of markets for by-products.
  - Some applications are not permanent sequestration solutions.



# CO<sub>2</sub>LOC Process & Economics (per tonne of CO<sub>2</sub> captured)



# Supply Chain & Drivers

- ▶ Full scale deployment of CO<sub>2</sub>LOC technology will require a significant supply chain.
- ▶ Large drivers to adopt our technology exist in all sectors of the supply chain.



IT, EVs and Renewables place increasing demand for mined products.

Investor issues:

- Mining tailings liabilities
- Climate smart mining

Achieving Net Zero:

- Government legislation
- Investor pressure
- Customer pressure

Commercial:

- Need to stay competitive
- Short time to make changes

Achieving Net Zero:

- Reduction of operational emissions
- Reductions of embedded CO<sub>2</sub>

Commercial:

- Low carbon will drive future market