



Heirloom

## Growing up in Southeast India





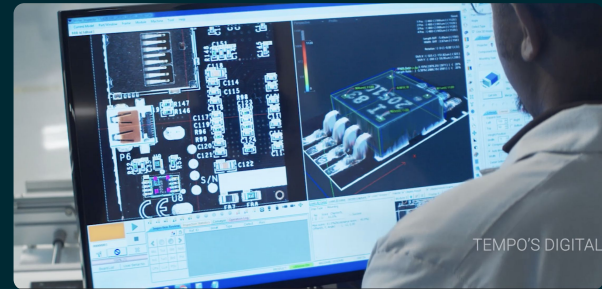
My hometown

A once-in-a-century flood in Hyderabad, a city the size of Chicago



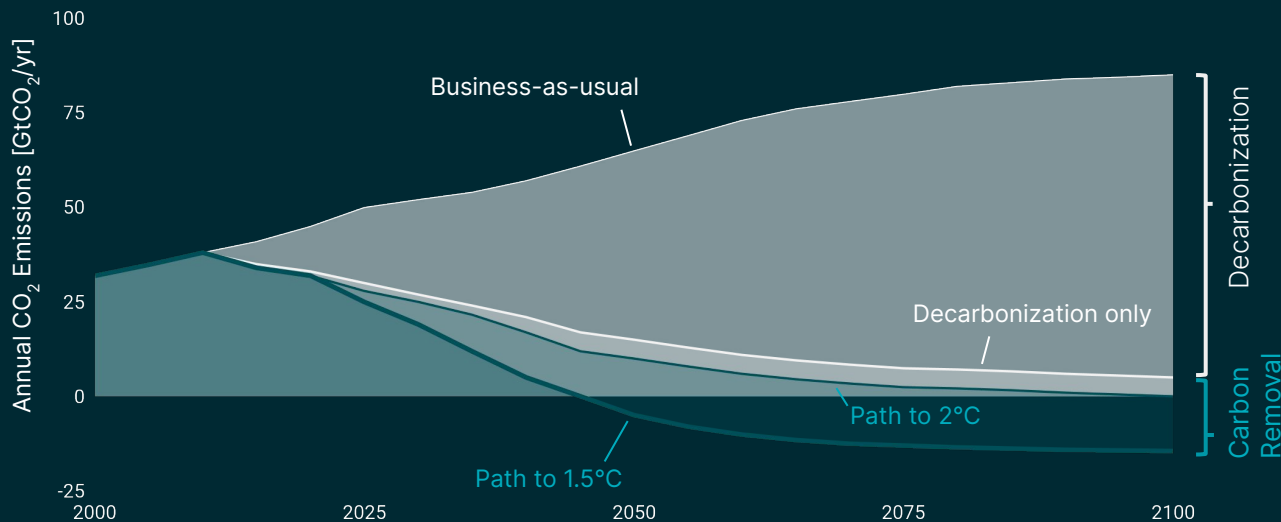
Tempo Automation

# Modernizing hardware manufacturing in California



# IPCC Special Report on Global Warming of 1.5°C

The world needs low cost, scalable, permanent carbon removal to stay below 2°C



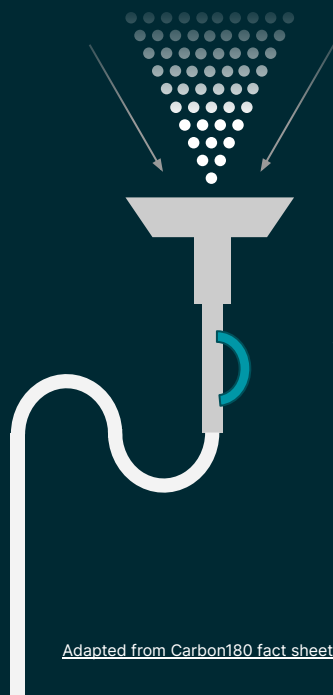


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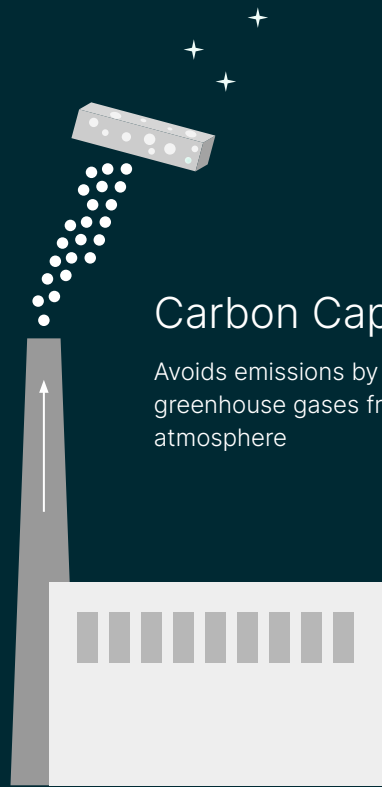
A precious object passed down from generation to generation.

## Carbon Removal vs. Carbon Capture



### Carbon Removal

Creates “negative emissions” by pulling existing carbon dioxide from the atmosphere




### Carbon Capture

Avoids emissions by stopping greenhouse gases from entering the atmosphere

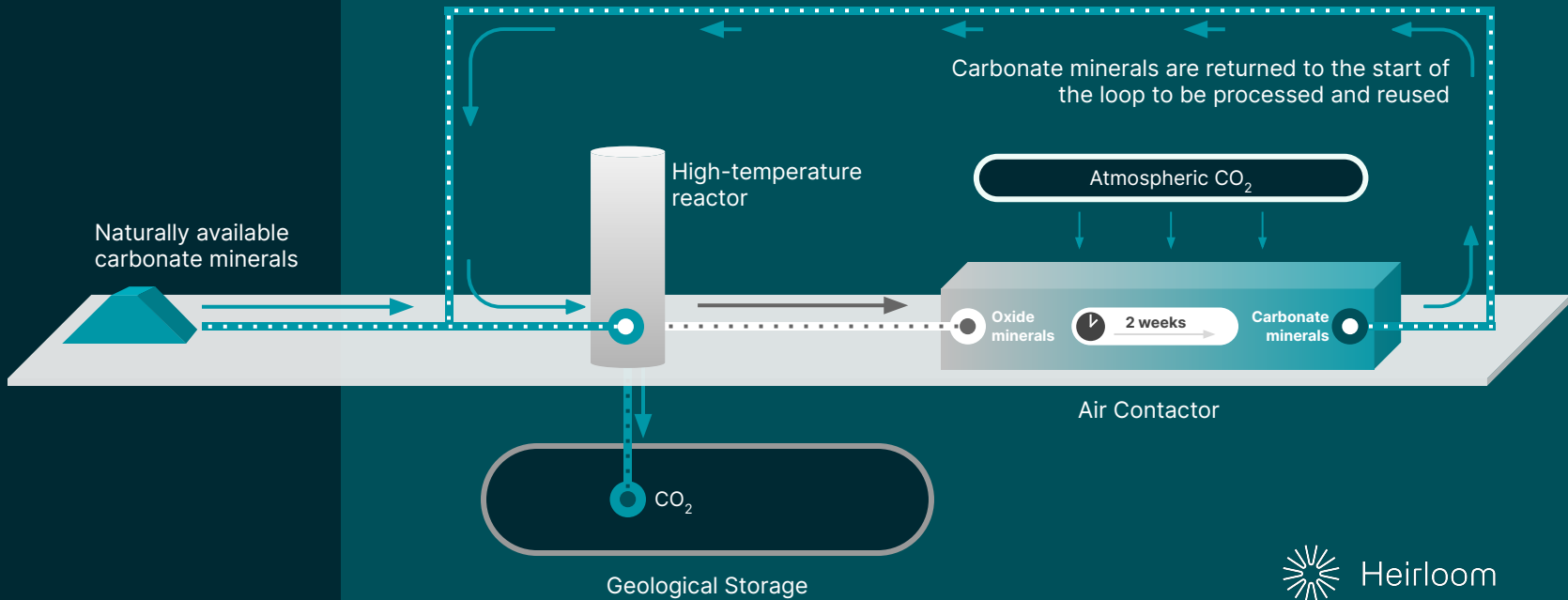
## Our Approach

We combine the best of natural and engineered solutions

	Reforestation + Afforestation	BECCS	Soil Carbon	Carbon Mineralization	+	Conventional Direct Air Capture	=	 Heirloom
Low cost	✓	●	✓	✓		●		✓
Additional	?	?	?	✓		✓		✓
Verifiable	●	✓	●	●		✓		✓
Scalable	✓	✓	✓	✓		✓		✓
Low land use	●	●	✓	●		✓		✓
Permanent	●	✓	●	✓		✓		✓



# The Heirloom Looping Process



## Environmental Justice

We prioritize environmental justice at all levels

### Jobs and Economic Growth in California

- Creating jobs in disadvantaged communities, particularly those impacted by a changing climate.
- Reskilling the California workforce for climate positive jobs.

### Community Engagement

- Engaging with affected communities and stakeholders during all phases of planning and siting.
- Limiting impacts to built and natural environments by minimizing land use and operating with renewable energy.
- Providing transparency to the public about our technology, process, and employee & community safety.

### Global Impact

- Counteracting climate change and better air quality through a reduction of atmospheric CO<sub>2</sub>.
- Prioritizing diversity, equity and inclusion in the workplace and with our partners.
- Helping to decarbonize some of the hardest-to-abate industries.

Heirloom in California

California can be the epicenter of the next trillion dollar industry

**Heirloom is committed to building in California**

We are headquartered in the Bay Area and are planning our first deployment in CA in 2022.

We've begun conversations with Kern County and Lawrence Livermore National Laboratory, and are looking for potential host sites.

**We are looking for partners**

If you're interested in hosting, investing, or collaborating with Heirloom, let us know. Send us a message at [hello@heirloomcarbon.com](mailto:hello@heirloomcarbon.com) for more information.

**Thank you!**