

Global Thermostat Strategic Overview & the Latest Trends in the United States

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1. COMPANY

To develop and deploy **the world's best direct air capture technologies** to unlock new, **air-based sources of carbon** for the global economy and address **climate change** at scale

最先端の**Direct Air Capture**技術を開発・普及させ、
気候変動の根本解決と
サーキュラー・カーボンエコノミーの
発展の両立に貢献する。

Mission

Decade+ Focus on Designing Lowest Cost & Most Scalable DAC Solution

設立から13年間、低コストでスケーラブルなDACソリューションの研究開発を行ってきた

Pilot Plants & R&D Support

4 Pilots & 8 Federal R&D Projects



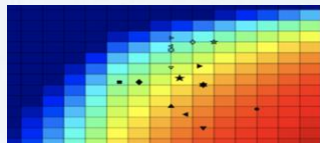
Intellectual Property



Secured **100+** Patents Worldwide,
15 more in examination

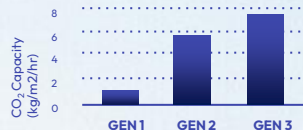
- Contactor & Sorbents
- Processes
- Mechanical Embodiments

Unique Capabilities



Developed Tools, Team & Experience to Understand DAC Performance Drivers

Performance Enhancements **7x**



Demonstrated Improvements in Contactor Capture Capacity

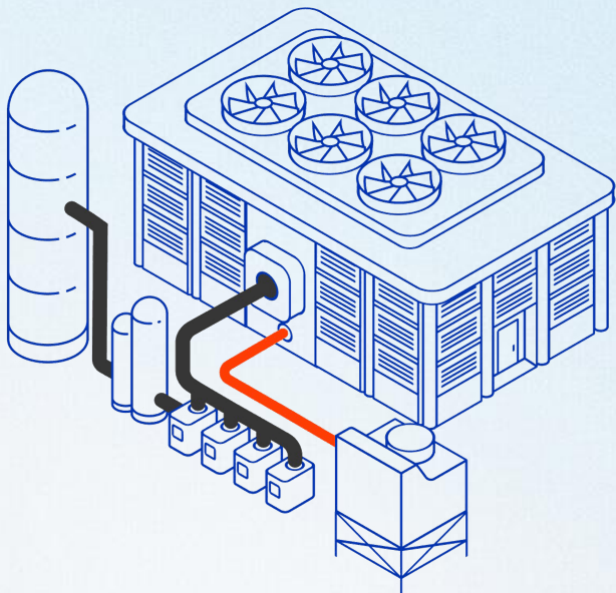




2. OUR SOLUTION

Our Solution Today: Simple, Modular, & Highly Efficient

GTのソリューション: シンプル、モジュラー、高効率

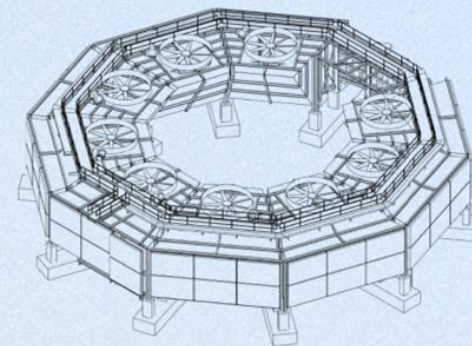
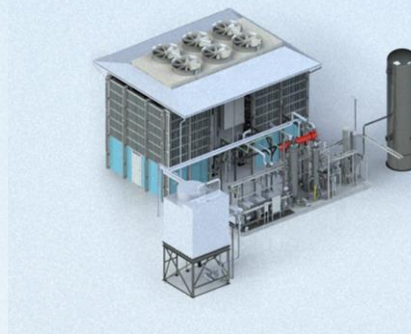


We have developed and patented a DAC solution that is on a **fundamentally advantaged**, lowest cost, broadly scalable pathway...

Inherently Scalable Platform

モジュール化されたコア技術により、幅広いスケールに対応

Our solution is inherently scalable, with stackable contactors, and leverages existing high volume supply chains. **All scales use the same core contactor and overall process...**



T-Series (Tonnes)
For Value Chain Pilots

Built & Operated Continuously,
Semi-Autonomously since 2021

K-Series (Kilotonnes)
For Commercial & Industrial Applications
Operated Since Q4 2022

M-Series (Megatonnes)
For Climate-Scale Applications
FEED-level Design Complete YE 2023

Proven at a Commercial Scale 商用規模で検証済み

We've been operating our kilotonne-scale plant at our Denver, Colorado Headquarters since Q4 2022.

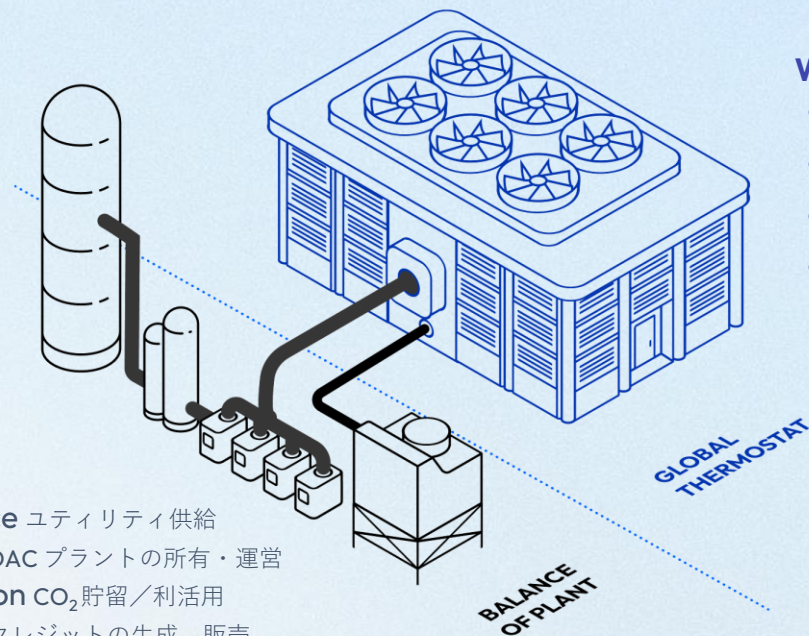


Our K-Series Module is the first kilotonne-scale DAC plant in the US and one of the largest in the world

M-series メガトン級



GT Business Model



What we DO NOT do:

- EPC
- Provide utility/energy source ユティリティ供給
- Own/Operate DAC Plants DACプラントの所有・運営
- CO₂ sequestration/utilization CO₂貯留／利活用
- Sell Carbon Credits カーボンのクレジットの生成、販売
- Physical Manufacturing of DAC Module DACユニットの製造

What we DO:

- DAC Modules DACユニットの提供
- Balance of Plant Designs プラント設計
- Engineering Services エンジニアリング
- Periodic Contactor Reactivation コンタクターの点検・交換



3. TRENDS IN THE U.S.

The Commercial Tipping Point for DAC is ~2025!

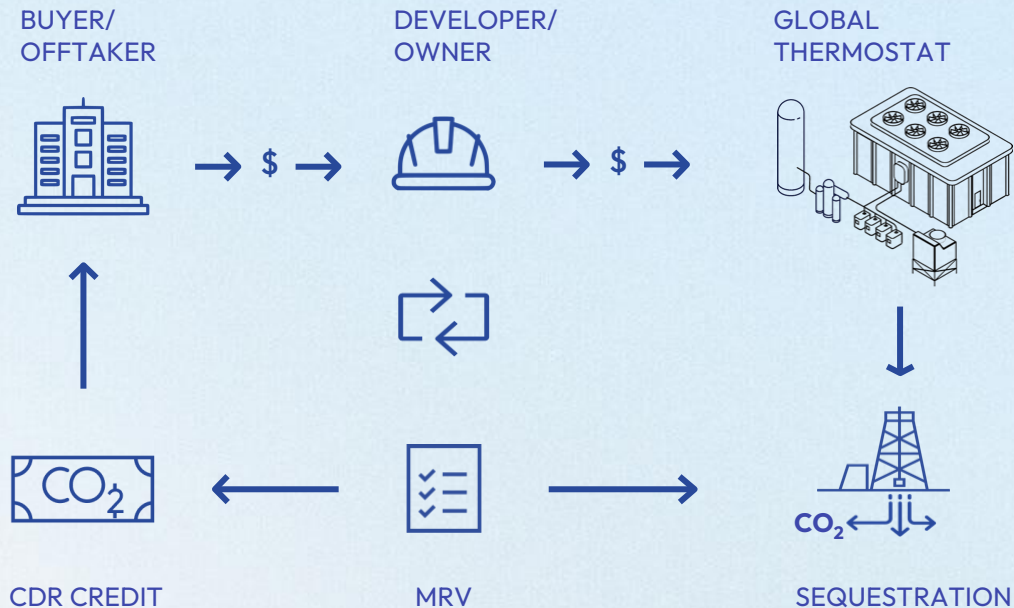
DACの商用転換点は2025年

A commercial ecosystem is already forming:

- CDR credits support developer IRR
- Developer purchases DAC units, providing our gross margin
- Sequestration provider gets paid toll

Once everyone gets paid, the system becomes self-sustaining... unleashing billions of dollars in the capital markets.

This is precisely what occurred in the solar industry...



Demand for DAC **Already** Far Outstrips Supply

DACの需要は供給を多く上回る

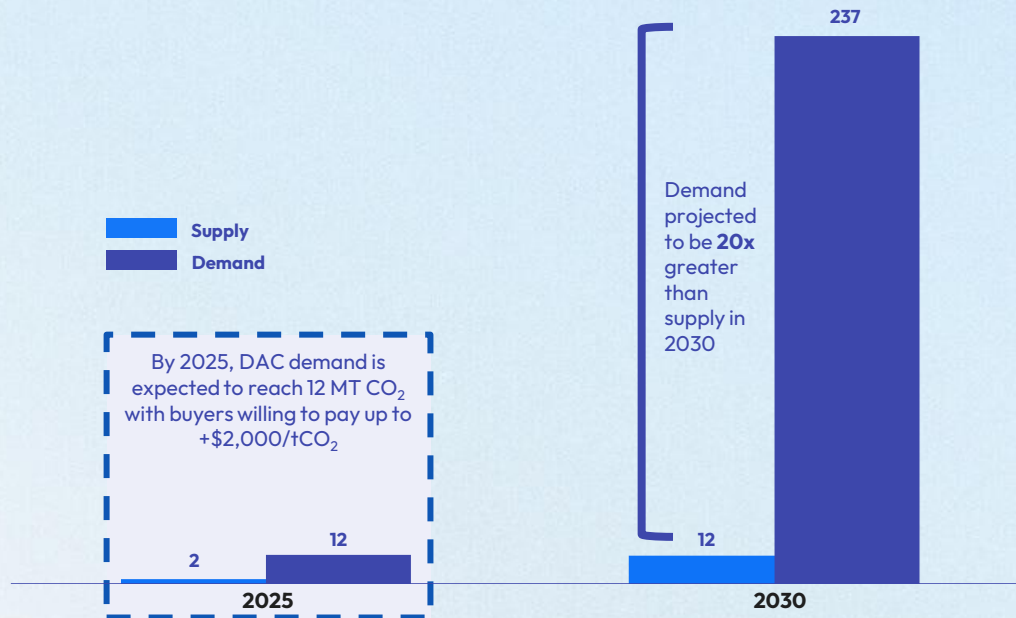
DAC capacity is forecasted to grow 1,200x between 2023 and 2030.

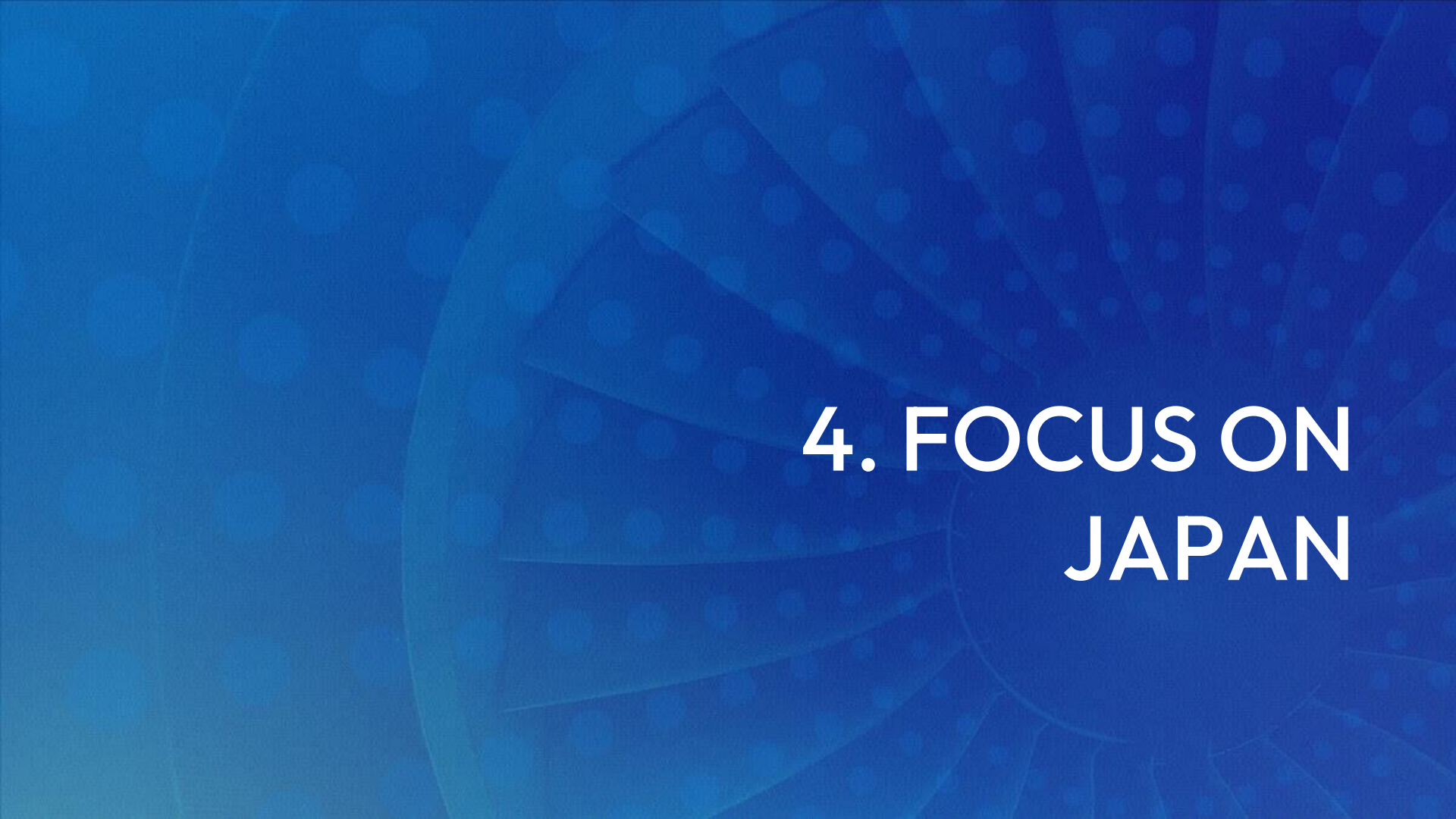
However, supply will still meet just 5% of the demand in 2030...

Global Thermostat is **uniquely positioned** to begin commercial deployment at scale to create value from the ongoing imbalance between supply and demand.

DAC SUPPLY & DEMAND OUTLOOK THROUGH 2030 (MtCO₂)

(Projections by Bloomberg New Energy Finance - August 2023)





4. FOCUS ON JAPAN

Established **Global Thermostat Japan**

Global Thermostat Japanの設立

To expand our global reach, we established **Global Thermostat Japan (GTJ)** in a joint venture with **ICMG Co., Ltd.** in July, 2023

WHY JAPAN?

- Challenging Energy & Carbon Reduction Situation, Requiring Proactive Approach
- Ambitious Japanese Government & Industry Net Zero Goals
- Global Reach & Capabilities of Japanese Industry Leaders

Our Mission

最先端のDirect Air Capture技術を開発・普及させ、気候変動の根本解決とサーキュラー・カーボンエコノミーの発展の両立に貢献する。それが私たちの使命です。

地球の大気・海洋・地表の温度上昇を食い止める。この難問解決に貢献する世界規模のビジネスを築くことが私たちの目標です。

そのために、私たちは、大気由来のCO₂の再資源化や回収・貯留プロジェクトをリードする世界中の企業・組織と連携しています。

私たちは強みであるDACユニットの提供と、一つのプロジェクトで求められるユーティリ



ROLE OF GTJ

- Market development in Japan and Asia
- Promote strategic collaborations with business, government, academia and government agencies
- Supplying our DAC Solutions to projects focused on net-zero and carbon recycling



Thank you