



Building a Sustainable Future: The Role of the Chemical Industry in a Transformed World

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THAILAND'S LEADING INTEGRATED PETROCHEMICAL AND REFINING BUSINESS

GLOBAL SUSTAINABILITY RECOGNITIONS

No.1 Member of Dow Jones Sustainability Indices
Powered by the S&P Global CSA

6 consecutive years in chemical sector (2019-2024)

A/A-Level Climate & Water **CDP**

Double A Listed for 2 Consecutive Years
Only 1 Thai's company in chemical sector



ecovadis

Gold Level Award - Top 5% Sustainable Supply Chain

INTEGRATED AND DIVERSIFIED PRODUCT PORTFOLIO



Commodities

280 KBD
Petroleum Distillation

12 MTA*
Petrochemical Capacity

*Proportionated by % shareholding (>25% shares)



Specialties

1,334 KTA
High Performance Chemicals Capacity



Bio/Circular

245 KTA**
Bioplastics & Biochemicals

1,307 KTA
Value Added Oleochemicals

45 KTA
Recycled plastic

**Included New PLA plant, COD in 2025

2050



DECARBONIZATION COMMITMENT & PATHWAY



Efficiency-driven

Asset Decarbonization

- Energy efficiency
- Clean utilities adaptation
- New tech deployment



Portfolio-driven

Low Carbon Growth

- Portfolio optimization
- High value-low carbon growth



Compensation-driven

Carbon Management

- Carbon Capture and Utilization
- Carbon credit management



INNOVATION AS AN ENABLING FOUNDATION



Product & Process Innovations



Innovation Hub & Growth Platform



CVC as a lighthouse for new opportunities

20

Countries

91

Operation Sites

40

R&D Innovation Centers

Strengthening Strategic Advantage for Sustainable Growth

Elevating Competitive Edge

- ▶ Enhancing feedstock flexibility to improve cost competitive position
- ▶ Strengthen feedstocks advantage position through ethane import from the U.S. in 2029



- ▶ Adopt AI digital technology to optimize plant condition



Spearheading Cost-Effective Production

Diversifying for a Sustainable Future

- ▶ Pioneering Bio and Green products to capitalize on growing sustainable Demand



- ▶ Diversifying the portfolio and expanding footprint in specialty chemicals –allnex acquisition



Powering Growth through Low-Carbon, High-Value Business

Unleashing the Potential of High-Value Businesses

- ▶ Expand allnex's presence in Asia
A major step to transform GC portfolio



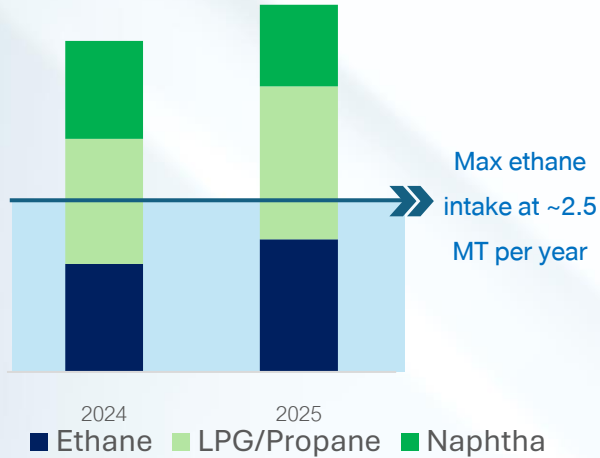
Unlocking values by expanding specialty footprint in Asia

Strengthen Feedstock Competitiveness Position, Smart Operations

Spearheading Cost-Effective Production

Strengthening feedstocks competitive position

GC's Feedstock intake



◆ **Dual Feedstock Capability :**
Unlocking Value through Ethane-Liquid Flexibility

◆ **No Retrofit Needed :**
Ready for Additional Ethane Supply

◆ **Strategic ethane import to enhance feedstock optionality** Plug-and-play with existing crackers, COD in 2029.

◆ **Reliable Ethane Access**
Strengthens GC's Feedstock Strategy



Adopt AI Digital Technology to optimize plant condition

Delivering Results :

Over 38 GC digital projects have Translated innovation into operational excellence.

- ✓ Drone & Robot
- ✓ AI Vision
- ✓ Predictive AI



Heat exchanger and corrosion checks



Combustion modelling optimization



Pipe joint and tank inspection AI Vision



Real-time production optimization

Pioneering Sustainable Growth: GC's Transformative Portfolio Strategy

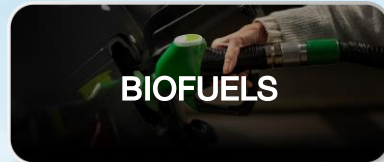
Strengthening position low carbon high value business portfolio

BIO-GREEN-CIRCULARITY

Leveraging Thailand's Agri-Strength for Specialty Bio-Based Growth



GC has broad range of **bio-green-circularity** portfolio



ENVICCO

Thailand's **1st** world class high-quality and food-grade recycled plastic resins



Thailand's **1st** Commercialized Sustainable Aviation Fuel (SAF)



NatureWorks

Thailand's **1st** Bio-Complex No.1 Bioplastic capacity



Oleochemicals innovation to expanding into oleo specialties

HIGH VALUE SPECIALTY CHEMICALS

Global Sustainable and innovative leader in chemistry



A major step to transform GC portfolio and build position High Value Business at the global level



1 Respond to consumer needs the megatrends

Engine 1 Profitable growth through capacity expansion

2 Resilience profit return

Engine 2 Operational Excellence

3 Decarbon Strategic pathway

Engine 3 Innovation & Sustainability

Engine 4 Adjacencies and M&Az

Together to unlock synergies

Shared expertise: Exchanging best practices in sustainable operations and innovation

Thailand Innovation Hub: Fostering green technologies and sustainable products in Southeast Asia.



Advancing Regional Growth and Building Map Ta Phut (MTP) – Rayong homebase into a Low-Carbon Specialty Hub

Accelerating Growth in Key Asia Hubs: China and India

2024 highlights

+4%

Sales volume growth
YoY

29 €M

Improvement actions

272 €M

Adj. EBITDA
(10% YoY)



Zhejiang, China

- 15% YoY Sales Growth; Phase 2 Targeted for Full Scale by 2030



Mahad, India

- Phase 1 Expansion Underway; COD in Q4/2025 with 8% YoY Sales Growth



Fully integrated infrastructure in Map Ta Phut

Specialty expansion

Polyurethane Bio-based Polyester Others with various partners



MOU Signing in 2024 with **TORAY**
Upscaling Bio-muconic Acid & its Derivatives

allnex Southeast Asia HUB in Rayong

- Expanding Manufacturing Capacity to Strengthen Regional Presence
- SEA Hub Phase 1 Targets Specialty Growth in Waterborne and Advanced Resins



Strategic Collaboration to Advanced Sustainable Solutions – Empowering End-Use Sectors in a Transformed World

Elevating Competitive Edge



Diversifying for a Sustainable Future



Unleashing the Potential of High-Value Businesses



Strategic Collaboration for a Sustainable Future



Building Block to empower-Use Sectors



Advanced agriculture and biotechnology



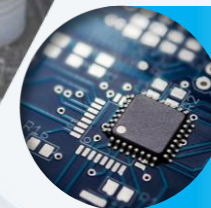
Next generation automotive



Biofuel and biochemical



Advanced aviation



Intelligence electronic



Defense



LET'S COLLABORATE

Together to Sustainable Growth