The Polyolefin's Gambit

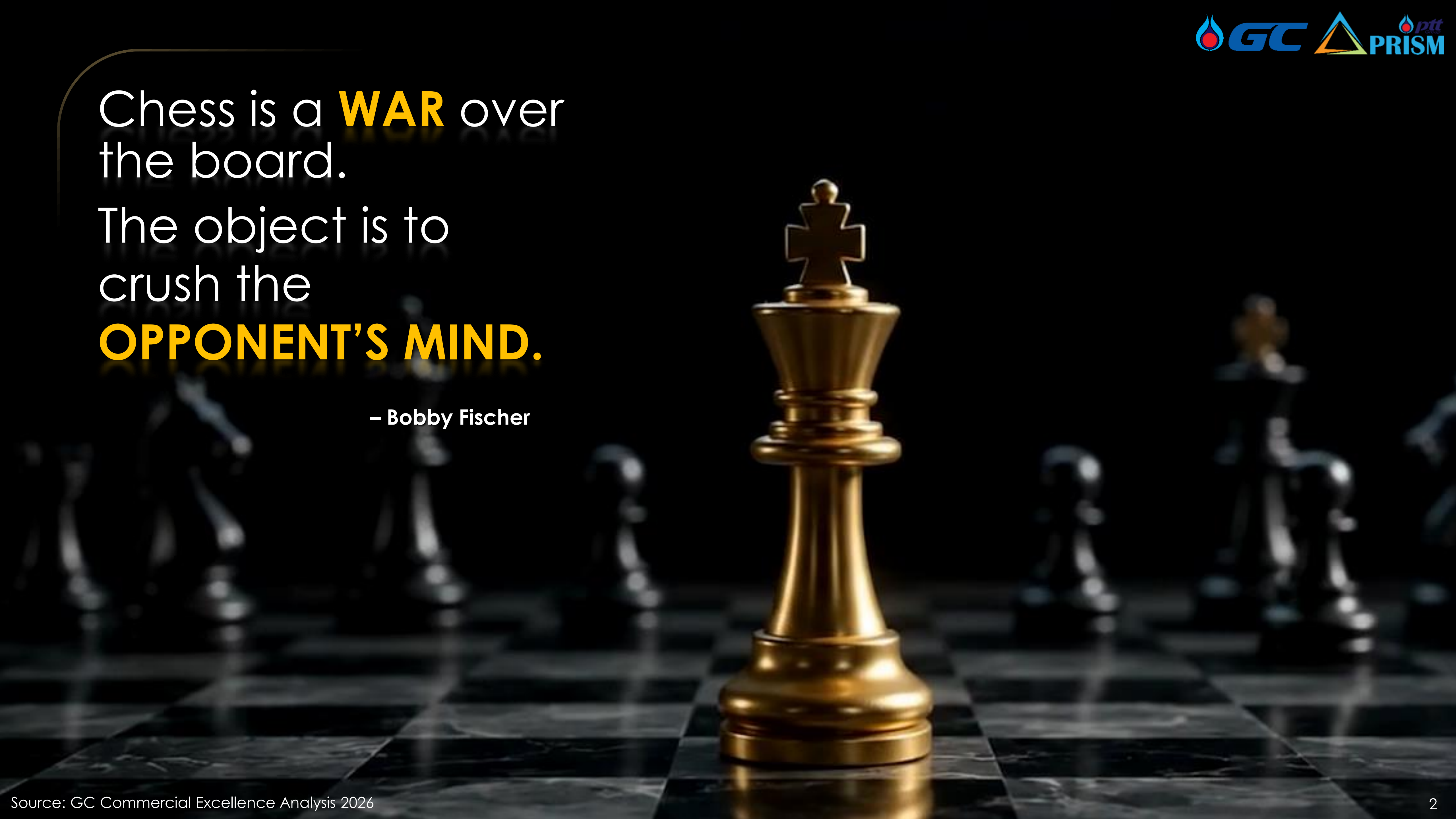
Resilient Moves on The Global Chessboard

The 17th PTT Group Petrochemical Outlook Forum

Wednesday, 26th August 2026

Chess is a **WAR** over the board.
The object is to crush the **OPPONENT'S MIND.**

– **Bobby Fischer**



Source: GC Commercial Excellence Analysis 2026

Source: GC Commercial Excellence Analysis 2026

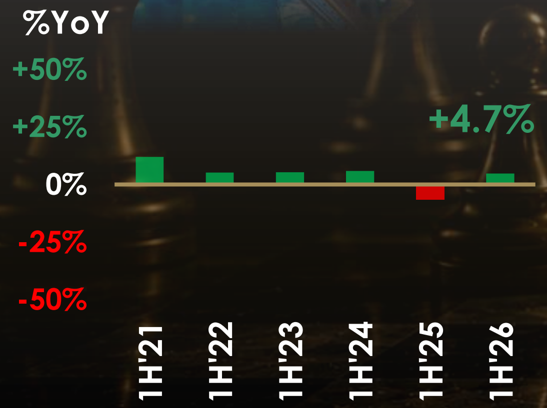
THAI PLASTICS MARKET

Consumer Packaging to Grow, While Plastic Film Production to Remain Weak

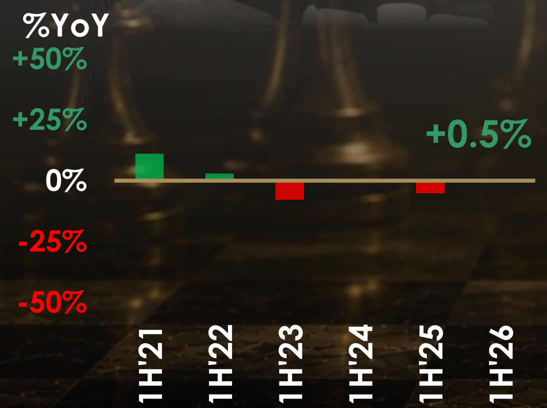
1H Thai Key Plastics Production Growth

(January-June)

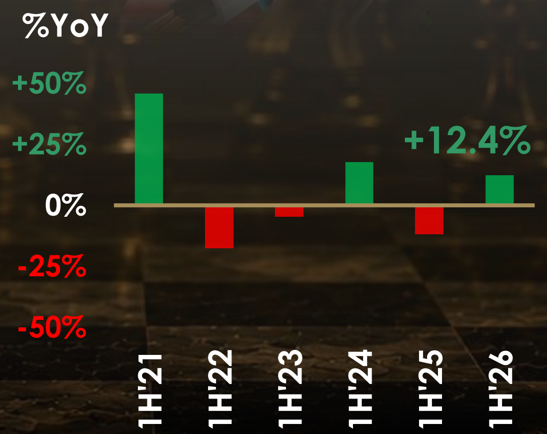
Beverages



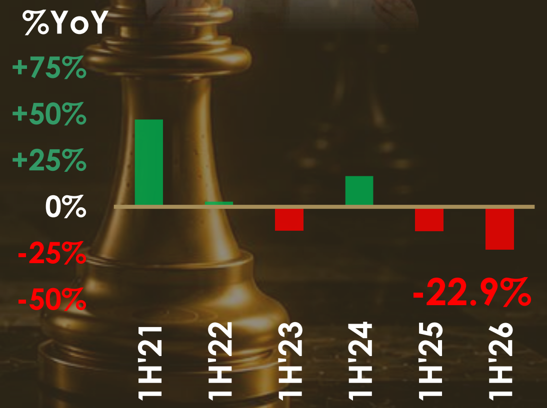
Plastics Packaging



Wire & Cable



Plastics Film



*Beverages to Represent Drinking Water, Mineral Water, Carbonated Soft Drink, and Sparkling Water

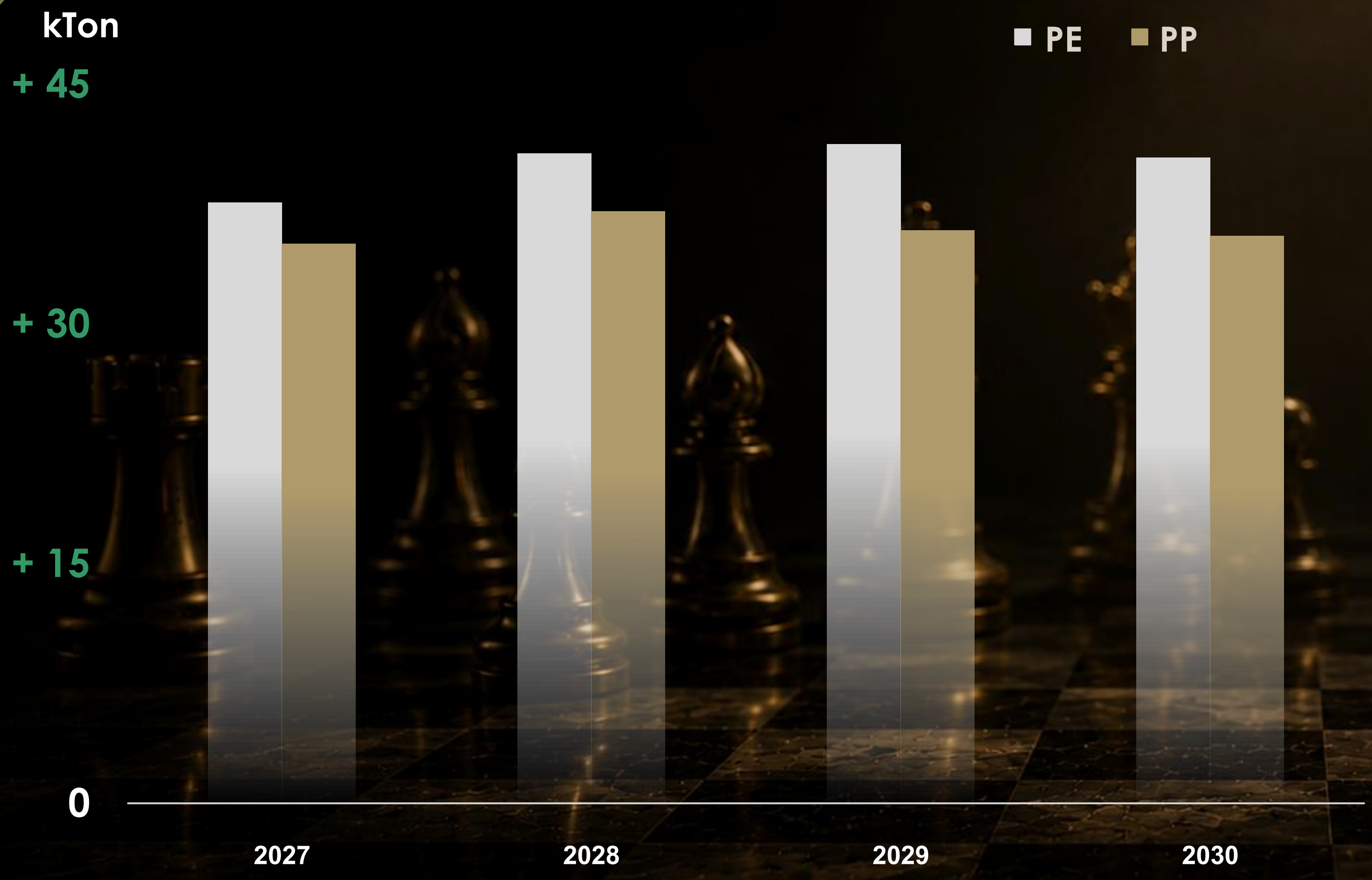
*Plastics Packaging to Represent Plastic Container

Source: The Office of Industrial Economics, GC Commercial Excellence Analysis 2026

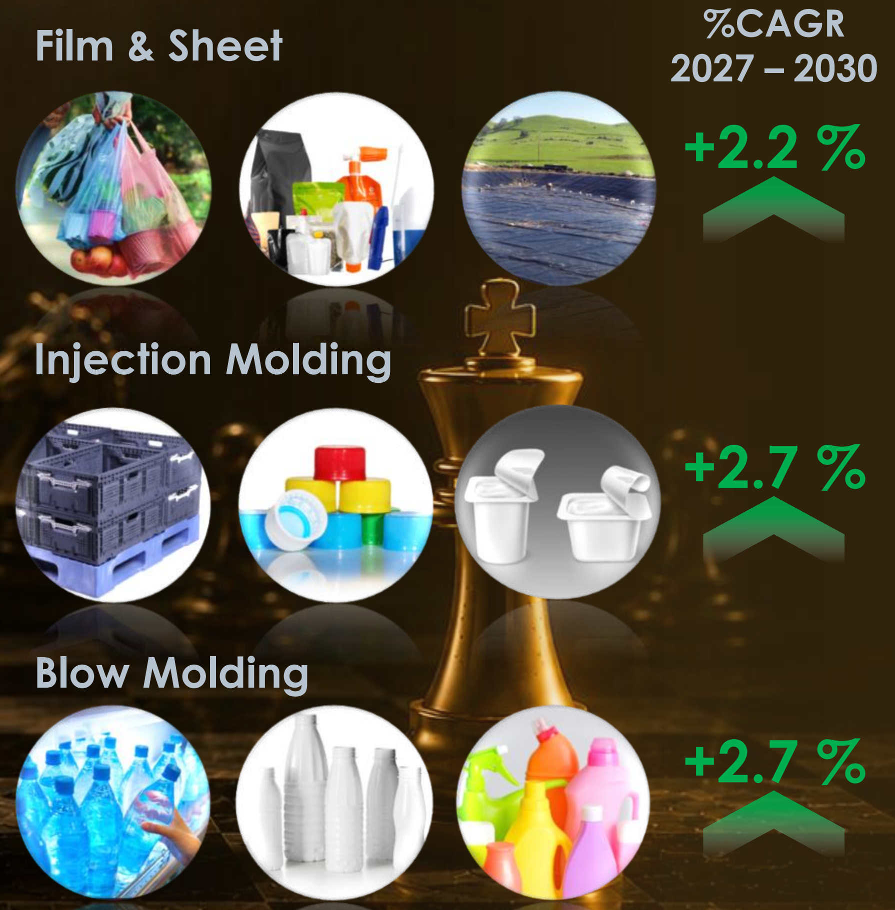
THAI POLYOLEFINS & PLASTICS DEMAND OUTLOOK

Thai Plastics Demand Projected to Grow by Up to 2.7%, Led by Injection & Blow Molding

Thai PE & PP Demand Change (YoY)



Plastics Demand Growth



Source: GC Commercial Excellence Analysis 2026

MADE IN CHINA IMPACT

Intensified Thai Domestic Competition from Increased Chinese Finished Goods

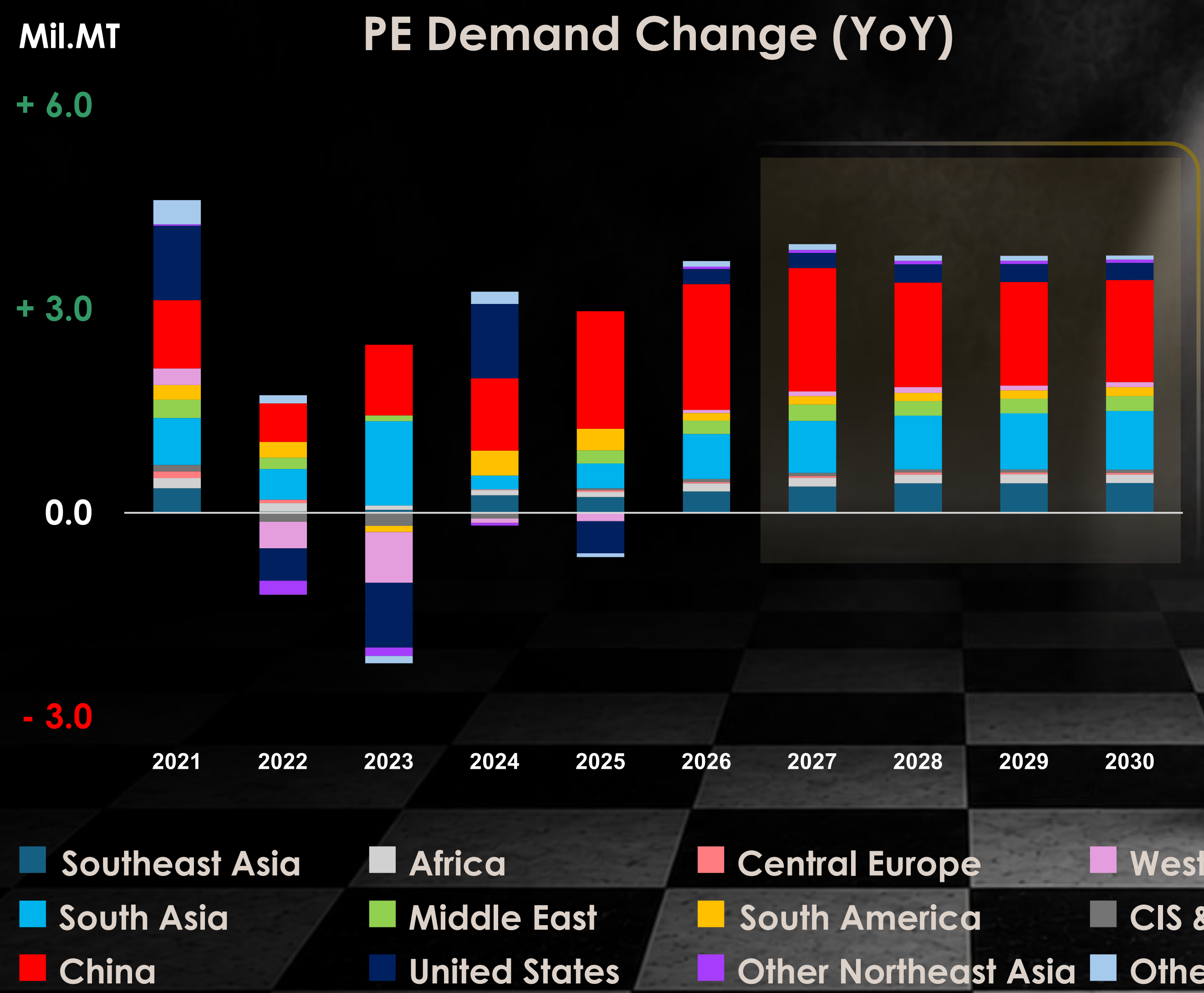
Source: MoC, GC Commercial Excellence Analysis 2026

K...ing
Market Core

Source: GC Commercial Excellence Analysis 2026

GLOBAL POLYETHYLENE DEMAND CHANGE

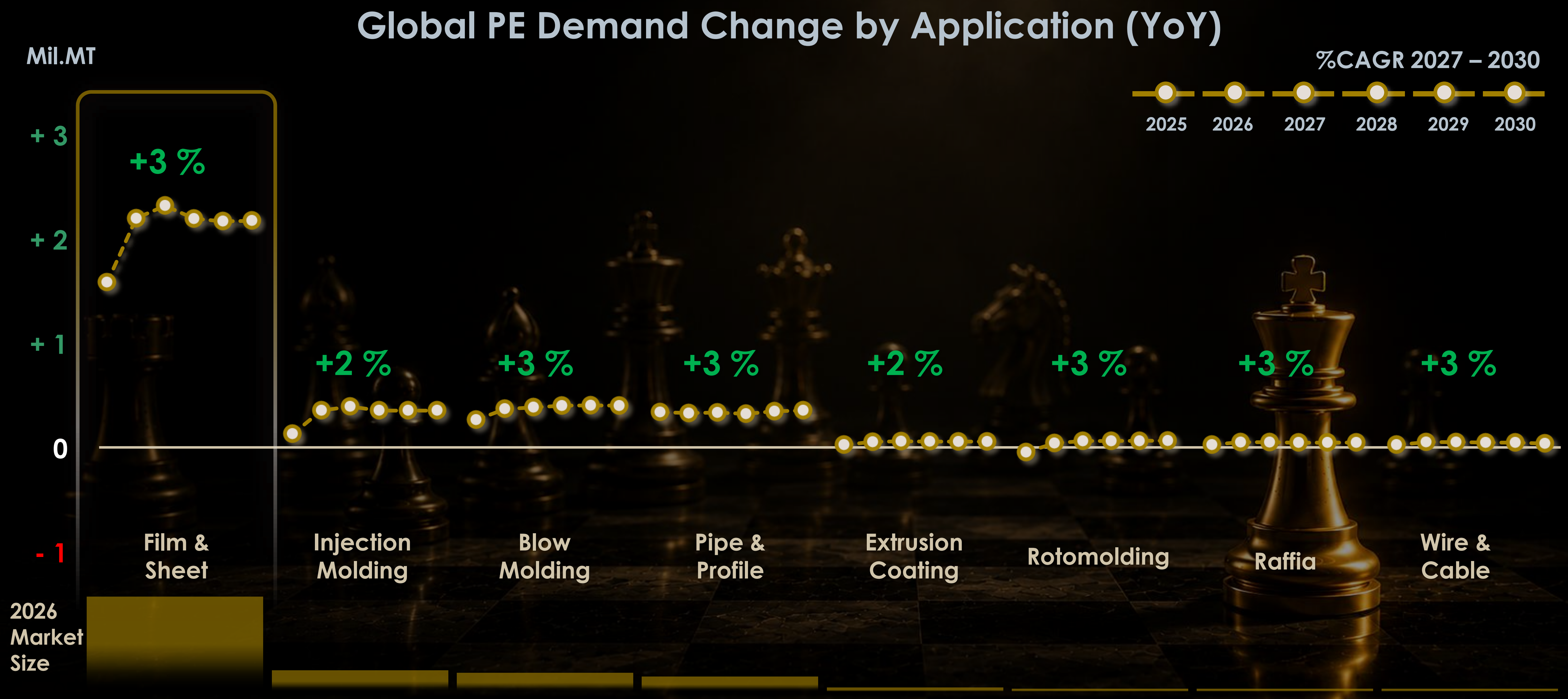
China Continuing to Lead Demand, While South Asia Being the Fastest Growing Market



Source: GC Commercial Excellence Analysis 2026

GLOBAL PE DEMAND CHANGE BY APPLICATION

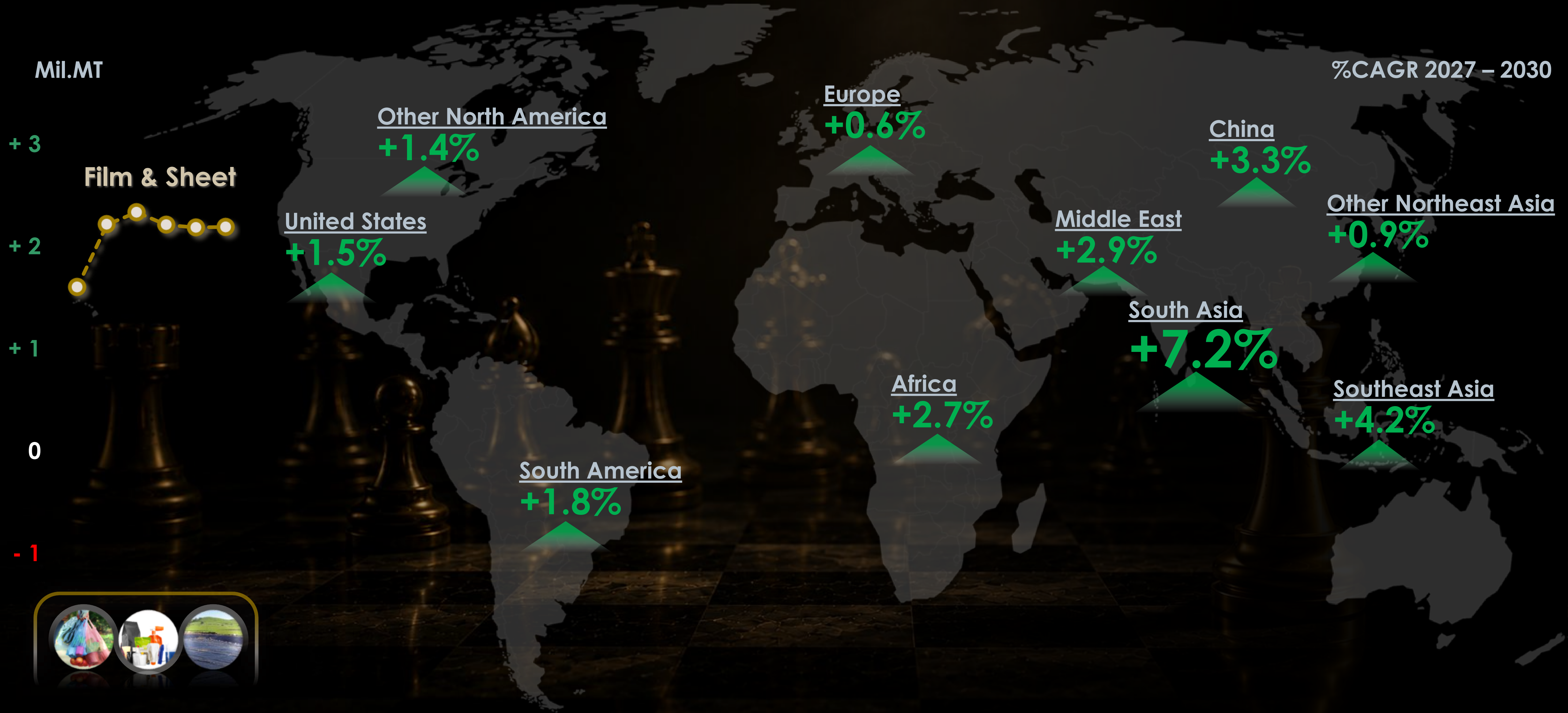
Film Holding the Largest Demand Share, Driving Overall PE Demand Growth of 3.0%



Source: GC Commercial Excellence Analysis 2026

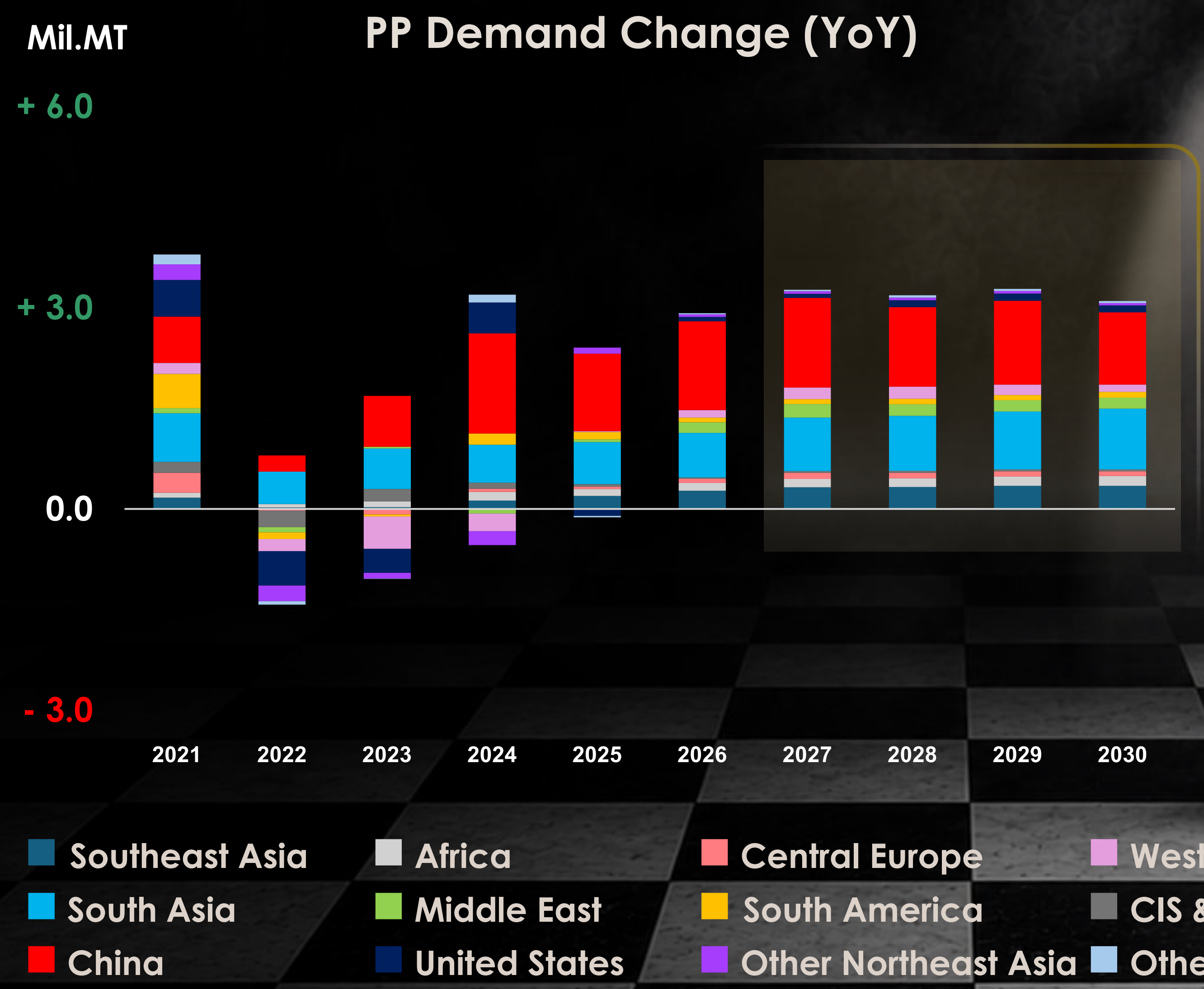
GLOBAL PE DEMAND GROWTH BY REGION

Strong Film Demand Growth in South Asia and Southeast Asia



GLOBAL POLYPROPYLENE DEMAND CHANGE

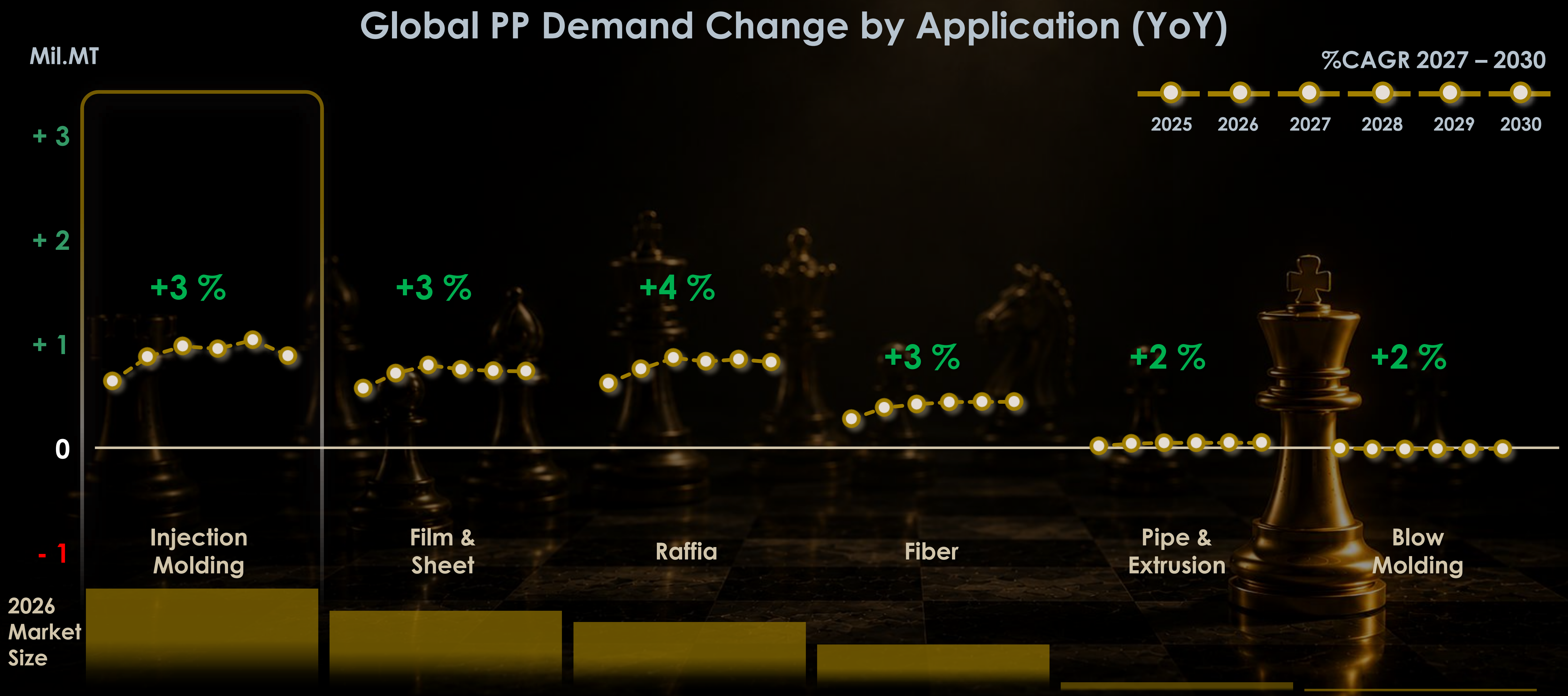
South Asia to Lead PP Demand Growth at 7.4%, Followed by Africa



Source: GC Commercial Excellence Analysis 2026

GLOBAL PP DEMAND CHANGE BY APPLICATION

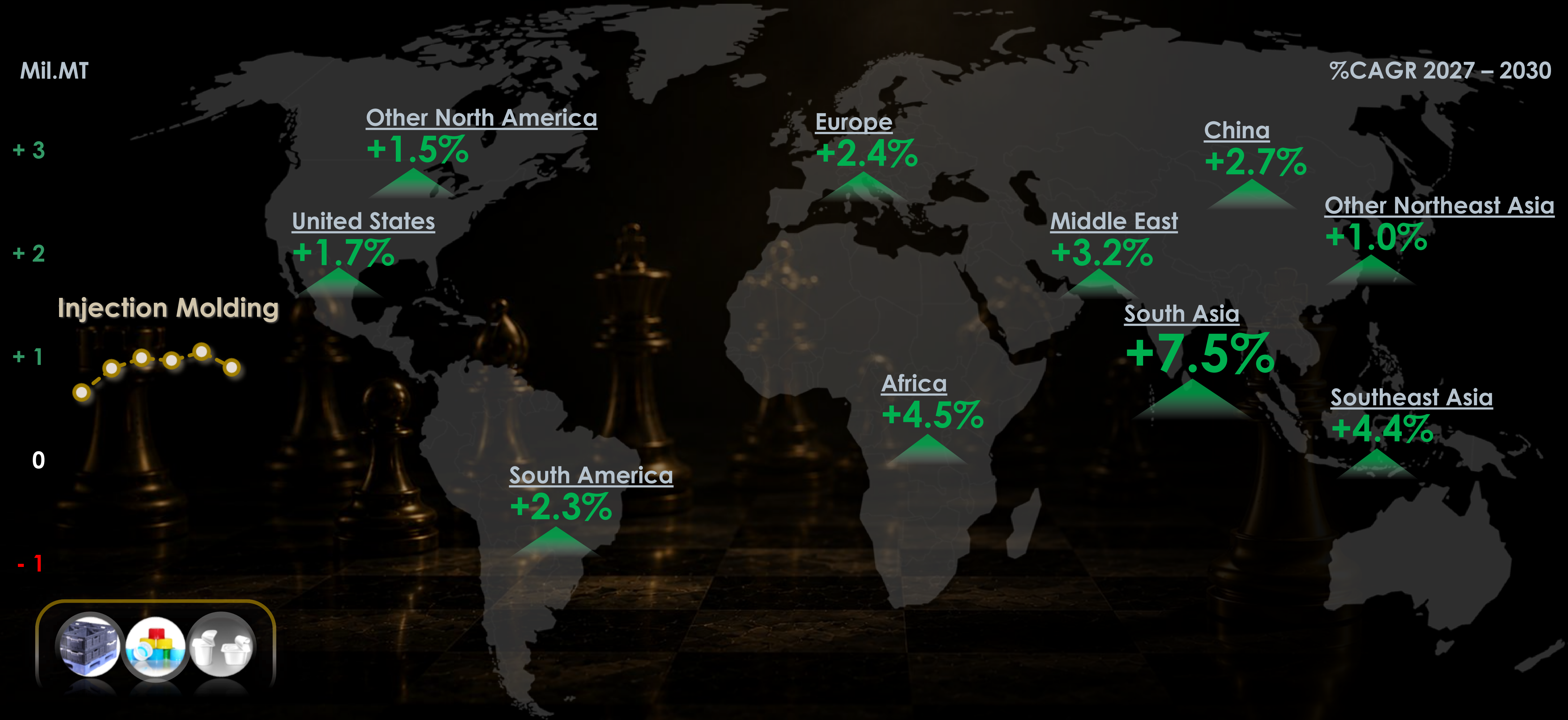
Injection, Film and Rafiia to Remain the Key Drivers of PP Demand Growth



Source: GC Commercial Excellence Analysis 2026

GLOBAL PP DEMAND GROWTH BY REGION

Injection Demand Growth Driven by South Asia and Africa



Source: GC Commercial Excellence Analysis 2026

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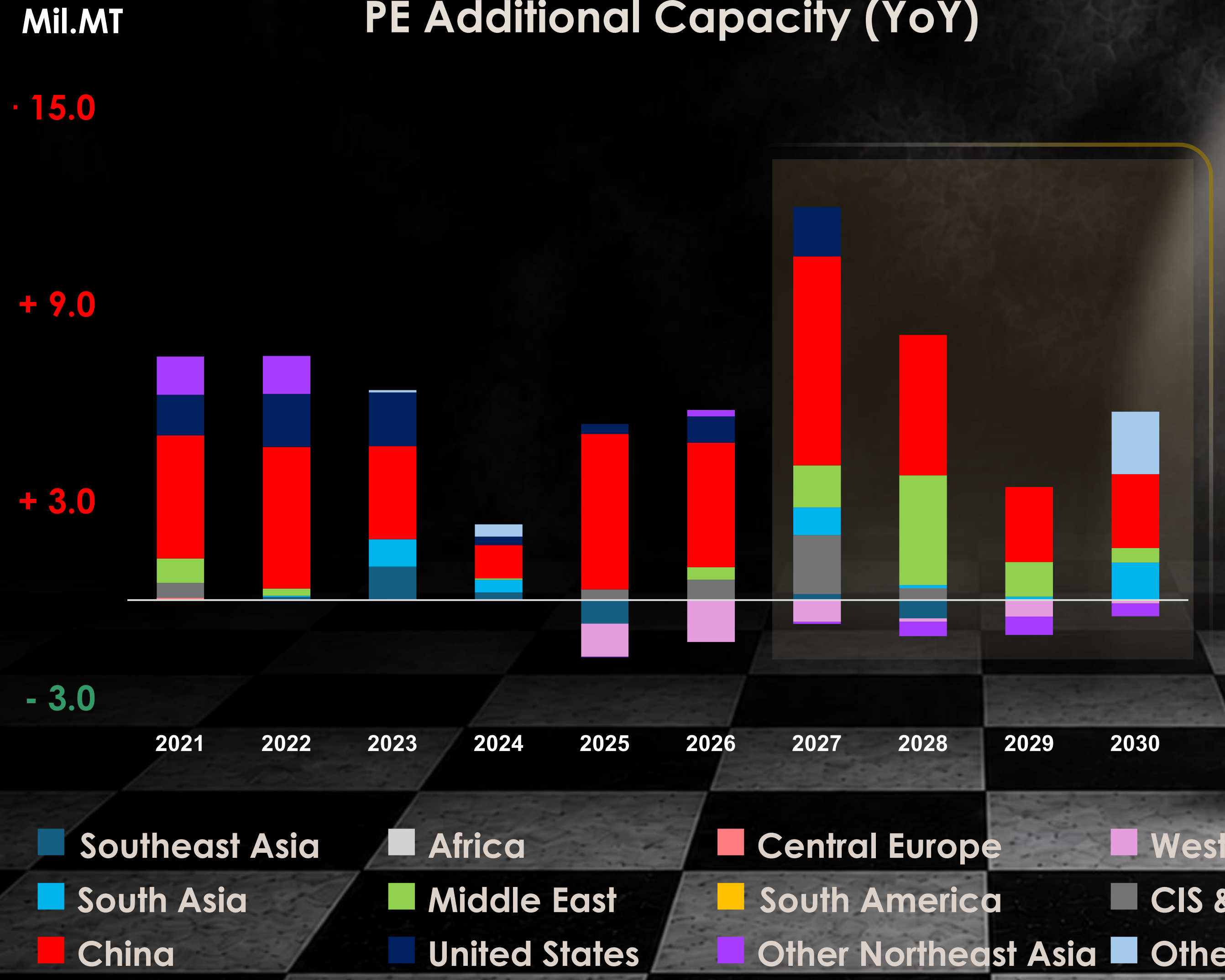
Volume Force

Source: GC Commercial Excellence Analysis 2026

GLOBAL POLYETHYLENE ADDITIONAL CAPACITY

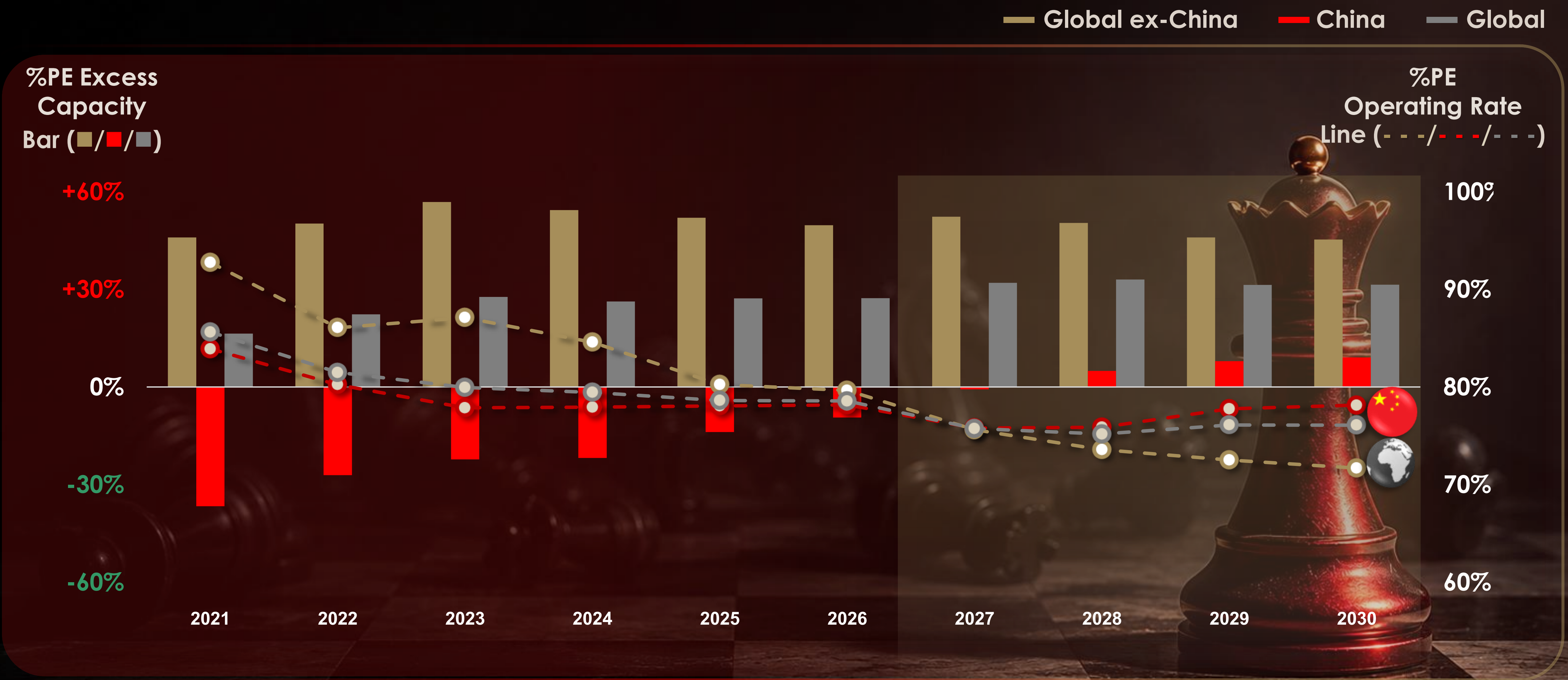
China's Additional Capacity to Grow by 15 Mil.MT during 2027-2030



Source: GC Commercial Excellence Analysis 2026

PE EXCESS CAPACITY & OPERATING RATE

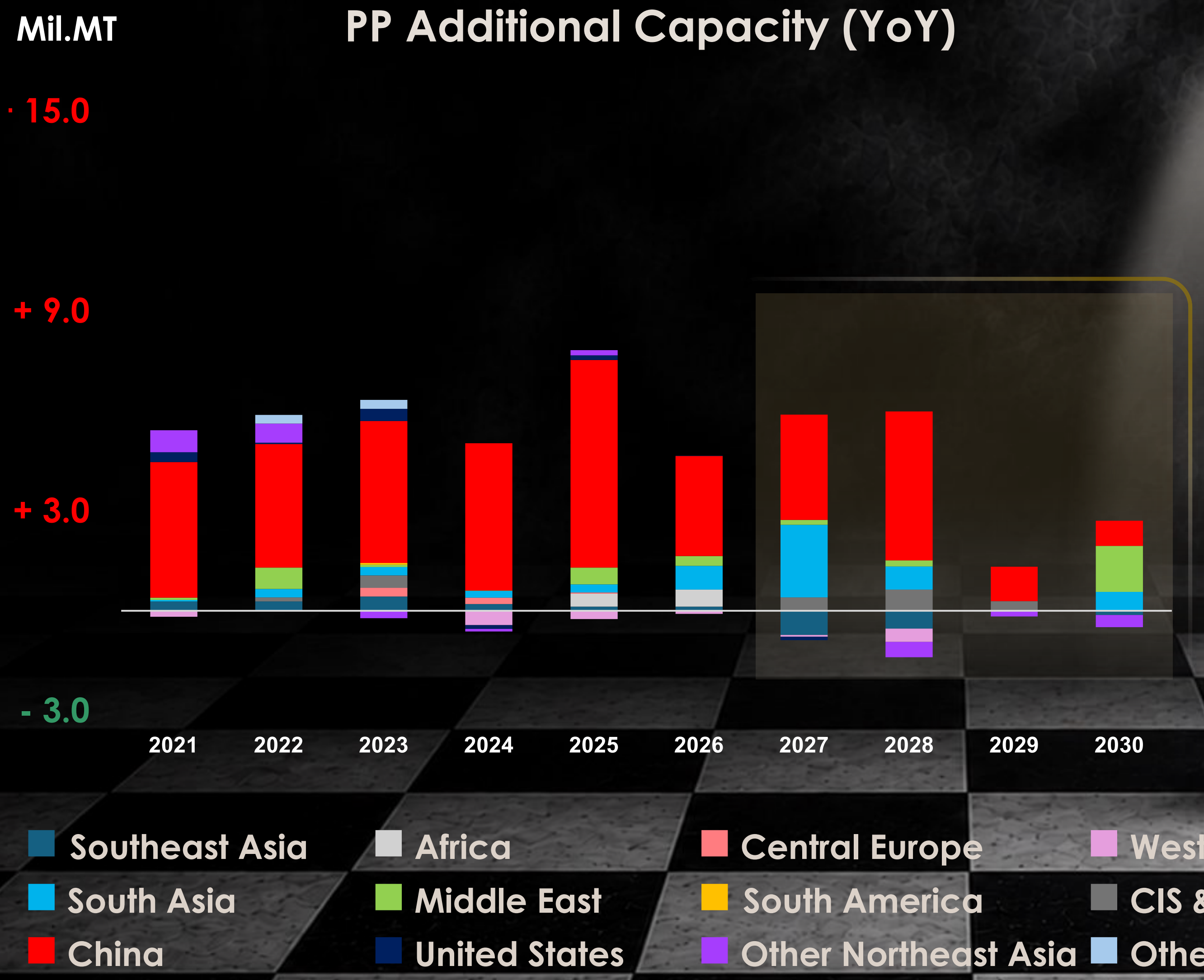
China's Excess Capacity Continuing to Pressure Global Operating Rates



Source: GC Commercial Excellence Analysis 2026

GLOBAL POLYPROPYLENE ADDITIONAL CAPACITY

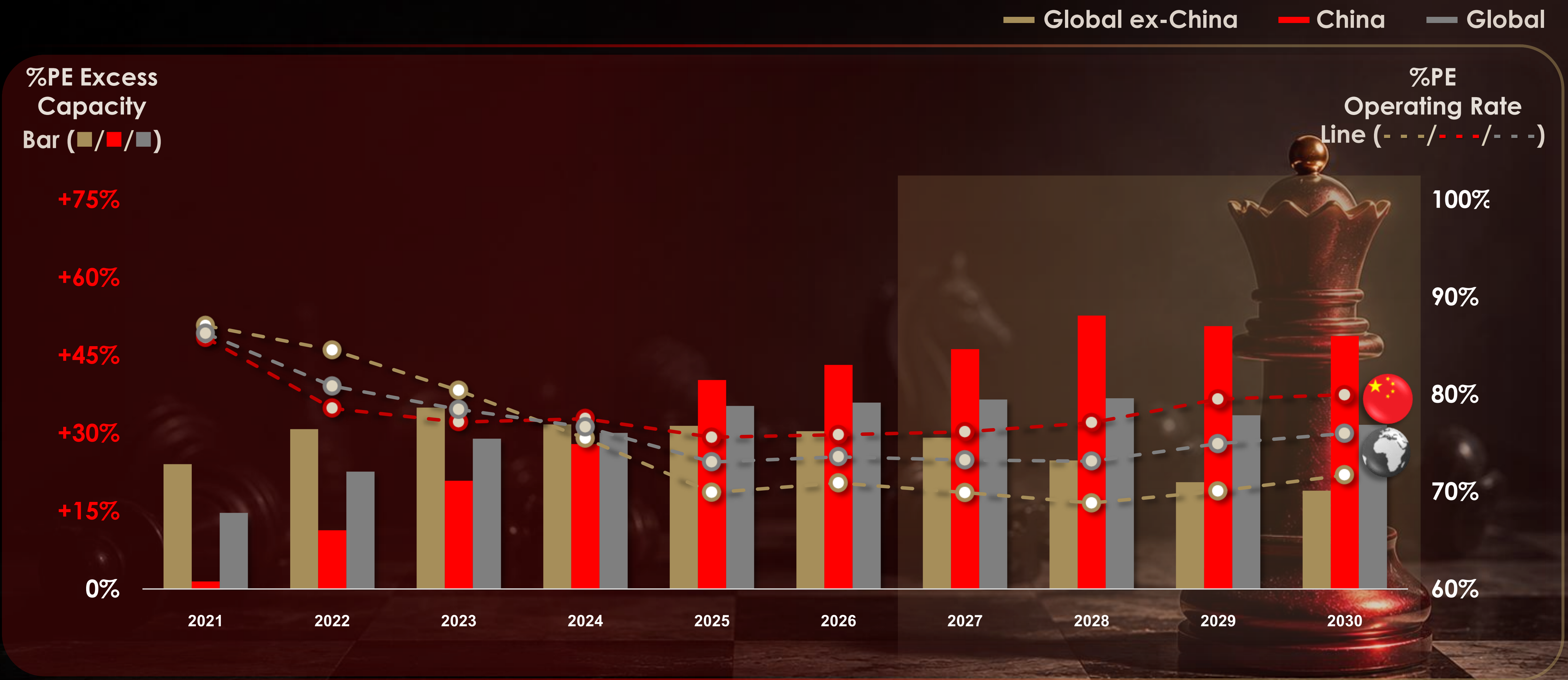
China Playing A Big Role of Global PP Capacity Expansion



Source: GC Commercial Excellence Analysis 2026

PP EXCESS CAPACITY & OPERATING RATE

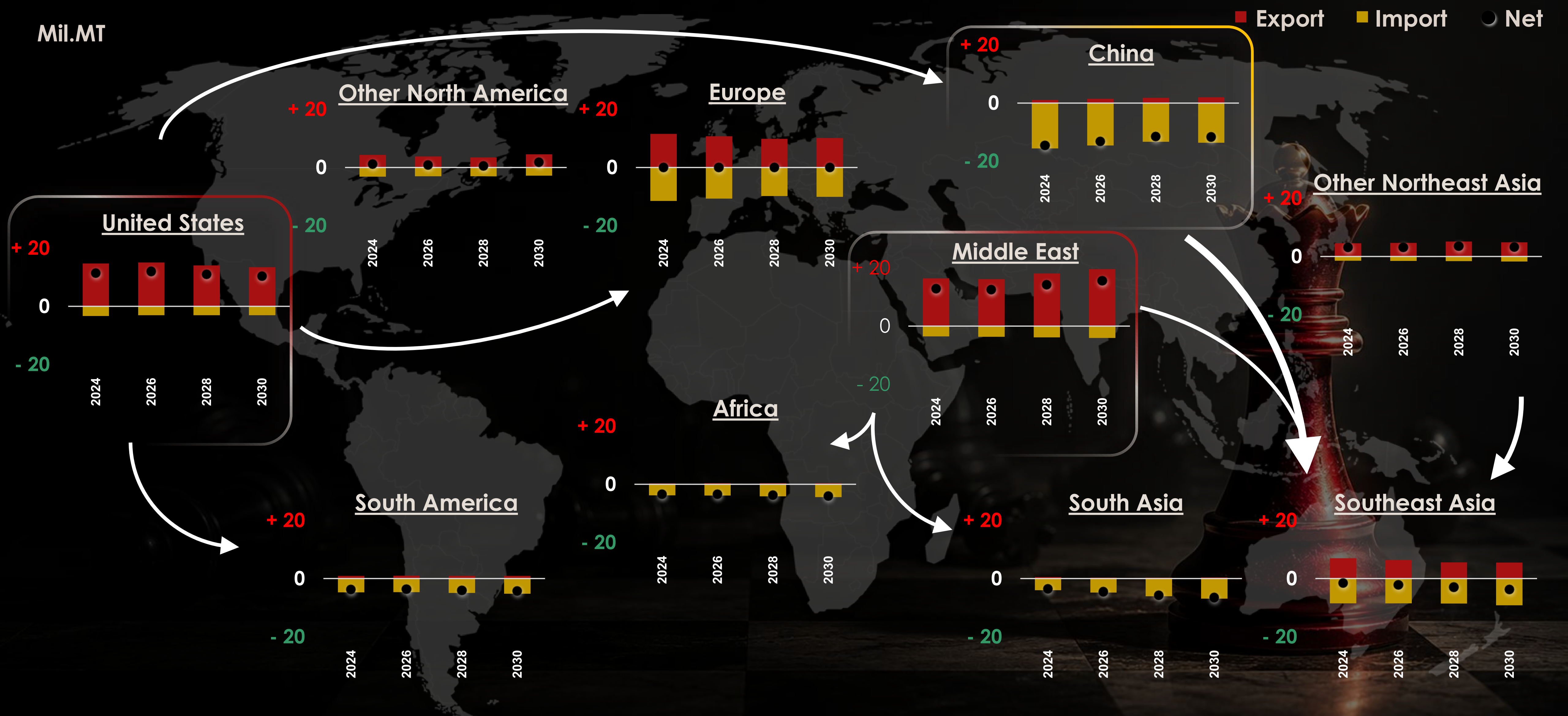
Easing Global Excess Capacity, Driving Operating Rate to Improve by 2030



Source: GC Commercial Excellence Analysis 2026

GLOBAL POLYETHYLENE TRADE FLOW

US and Middle East Being Key Global Exporters, China Moving towards Self-Sufficiency



Source: GC Commercial Excellence Analysis 2026

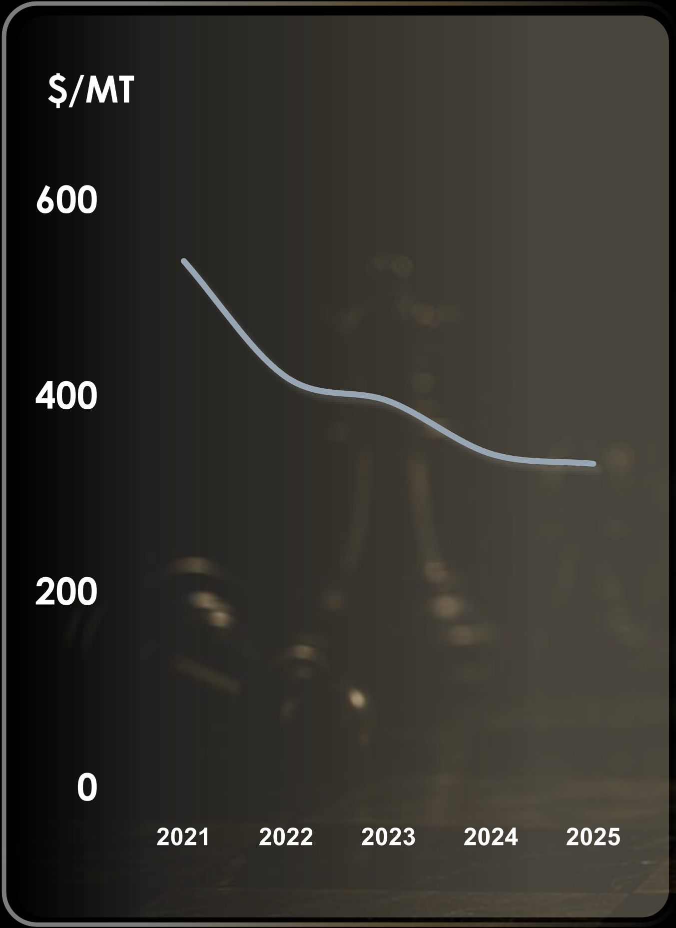
B…ishop
Margin Edge

Source: GC Commercial Excellence Analysis 2026

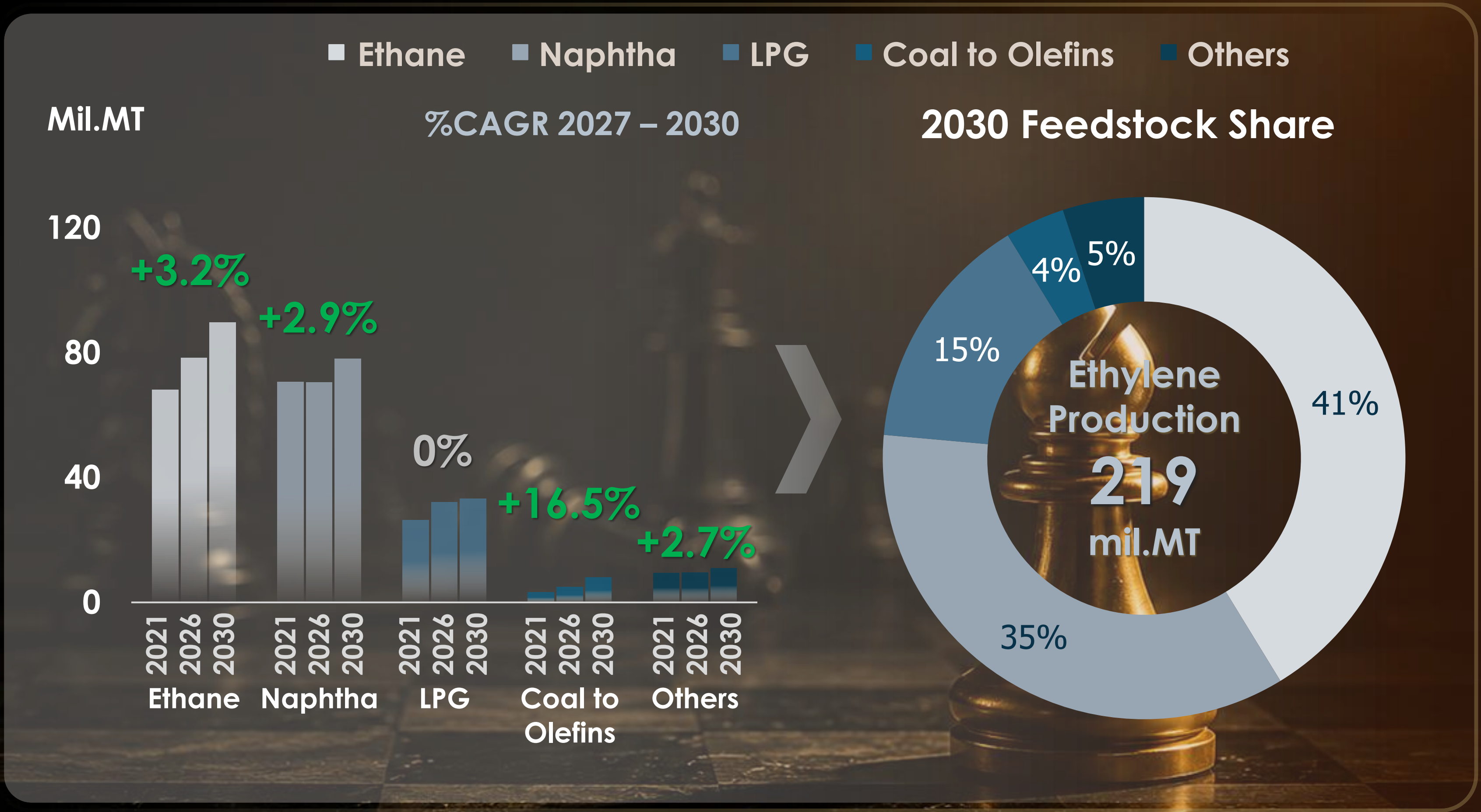
FEEDSTOCK SLATE TRANSITION

Feed Slate Transformation in Response to Weak Margins

HDPE-Naphtha Spread



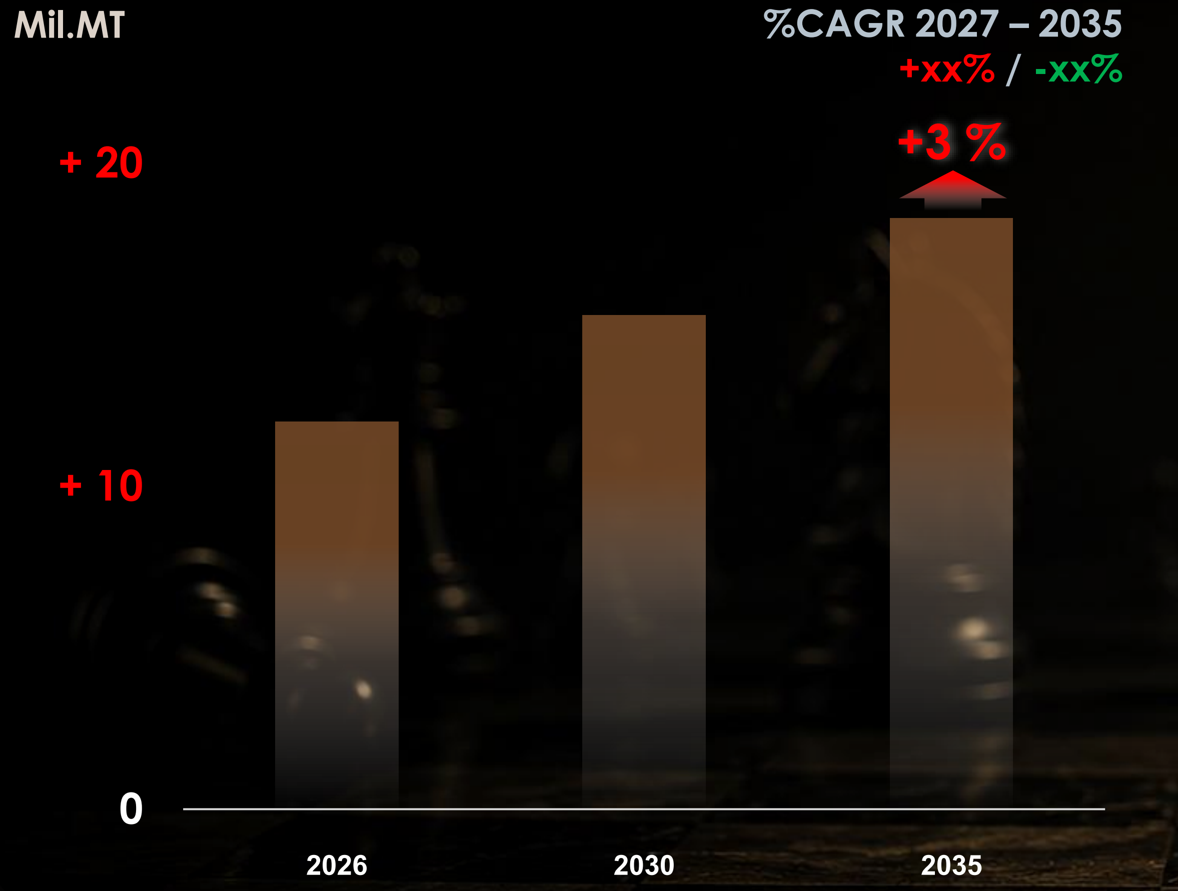
Global Ethylene Cracker Feed Slate Outlook



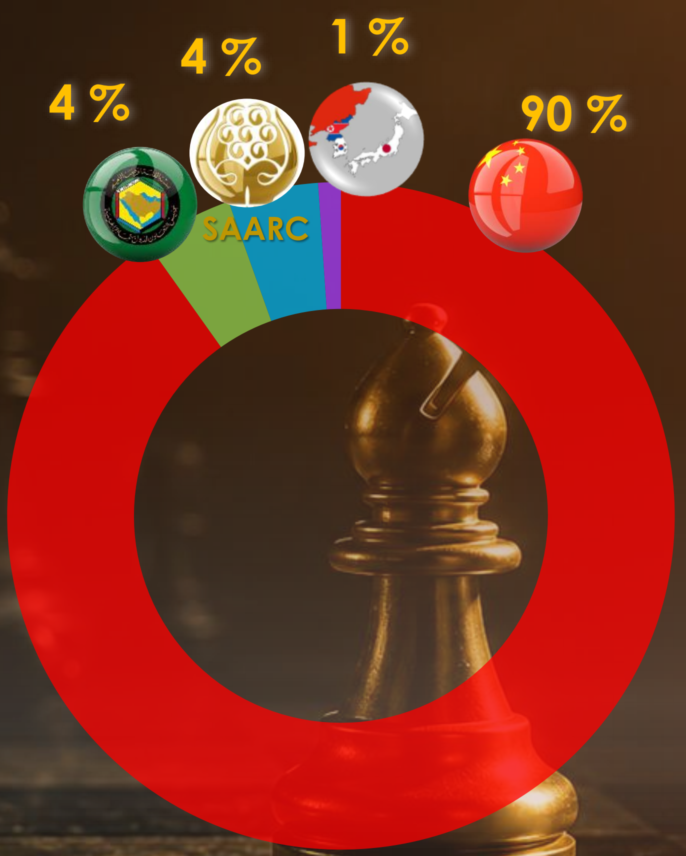
CRUDE OIL TO CHEMICAL

Lowering Cost of Production from COTC Technology, Mainly in China

Ethylene Capacities from COTC Outlook



2035 Global COTC Capacity Share



Source: GC Commercial Excellence Analysis 2026

K...night

Adaptive Move

Source: GC Commercial Excellence Analysis 2026

SHORT-TERM STRATEGIC RESPONSES

Acceleration of Capacity Rationalization for Short-Term Market Adjustments

Europe

- Rationalization

Northeast Asia

- Anti-Involution Policy
- Restructuring Policy

Southeast Asia

- Temporary Shutdown

Source: GC Commercial Excellence Analysis 2026

PRODUCT PORTFOLIO & FEEDSTOCK DIVERSIFICATION

Competitiveness through Greater Feedstock Flexibility and High-Value Products

Northeast Asia

- Enhancing Feedstock Adaptability to Ethane
- Ethane Imports from Competitive Origin
- Acquisition of Specialty, High-Value, and High-Performance Products
- Capacity Consolidation

South Asia

- Ethane Imports from Competitive Origin

Southeast Asia

- Long-Term Contract Ethane Import
- Accelerate Green Polymer Production
- Acquisition of Specialty, High-Value, and High-Performance Products
- Capacity Consolidation

Source: GC Commercial Excellence Analysis 2026

CHECKMATE MOVES

Market Core

- **Global Demand Growth** Driven by South Asia
- **Injection and Film** as Key Supporters of Overall Demand Growth

Volume Force

- **Chinese-Driven** Global Capacity Additions through 2030
- Depressed Global Operating Rates from **Excess Capacity**

Margin Edge

- **Feedstock Diversification** from Weak Producer's Margin
- **COTC Technology** to Enhance Producer's Competitiveness

Adaptive Move

- Acceleration of Capacity **Rationalization** from Global Oversupply
- **Feedstock Flexibility and High-Value Product Portfolio** to Enhance Competitiveness

Source: GC Commercial Excellence Analysis 2026

No Game Was Ever Won by **Resigning**

– Savielly Tartakower

Source: GC Commercial Excellence Analysis 2026