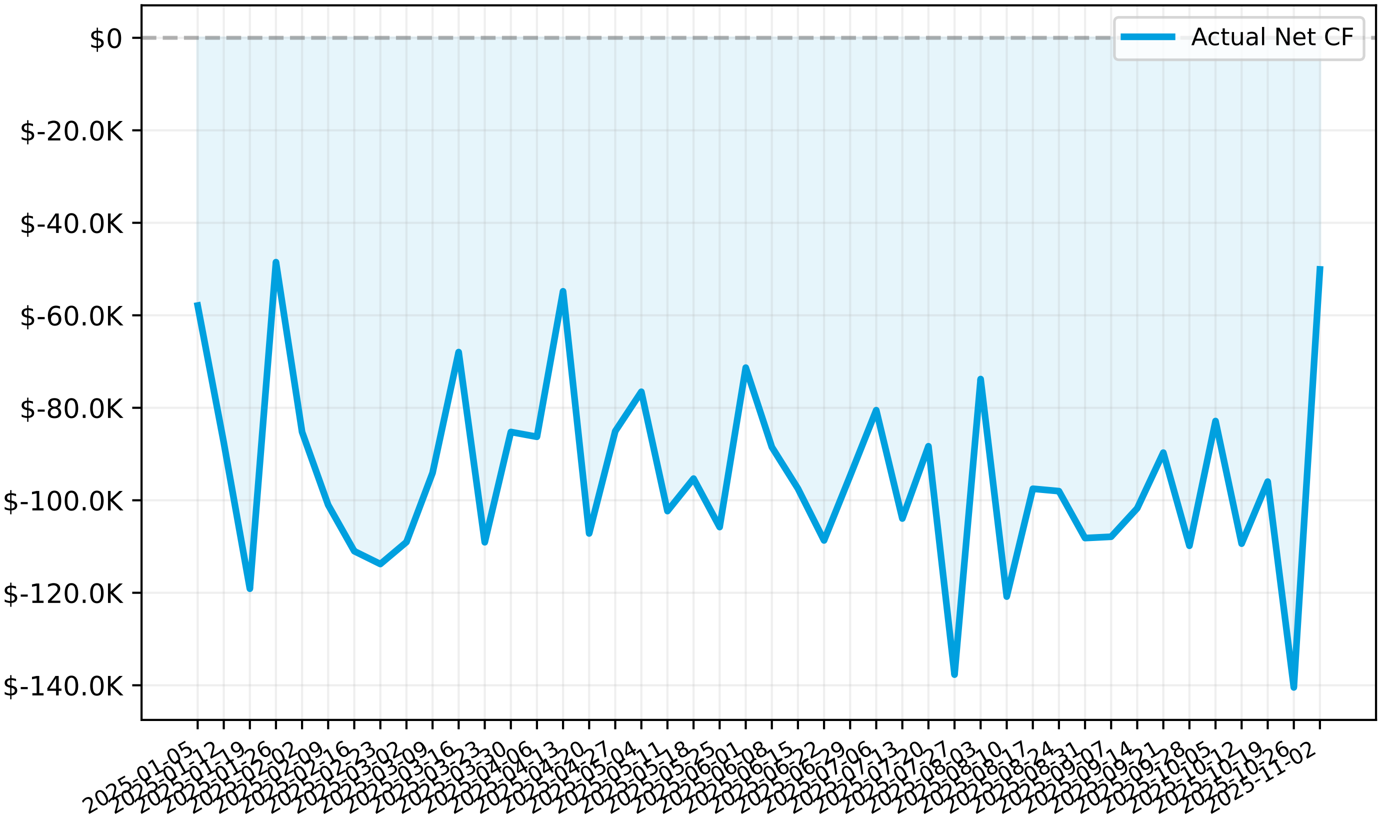
EXECUTIVE CASH FLOW SUMMARY

Portfolio Intelligence & Strategic Liquidity Overview

TOTAL NET CASH FLOW	AVG MODEL ACCURACY	STRUCTURAL RISKS
$-4.2M	**0.0%**	**16**
Aggregated (8 Countries)	Hybrid ARIMA Performance	Deep Volatility Events

Historical Portfolio Trend (USD)

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STRATEGIC APPRAISAL
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1. Performance:
The Hybrid ARIMA model delivers
robust multi-entity forecasts with
strong seasonality capture.

2. Liquidity:
High variance in Korea and Taiwan
requires adaptive buffering.

3. Focus Entity:
Indonesia (ID) shows the most
reliable cyclic patterns.

4. Risk Outlook:
Anomaly detection layer has
pre-emptively flagged 16 high-
volatility weeks for review.
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METHODOLOGY & MODEL ARCHITECTURE

The Science Behind the Forecast: Hybrid ARIMA-XGBoost

FEATURE ENGINEERING RATIONALE

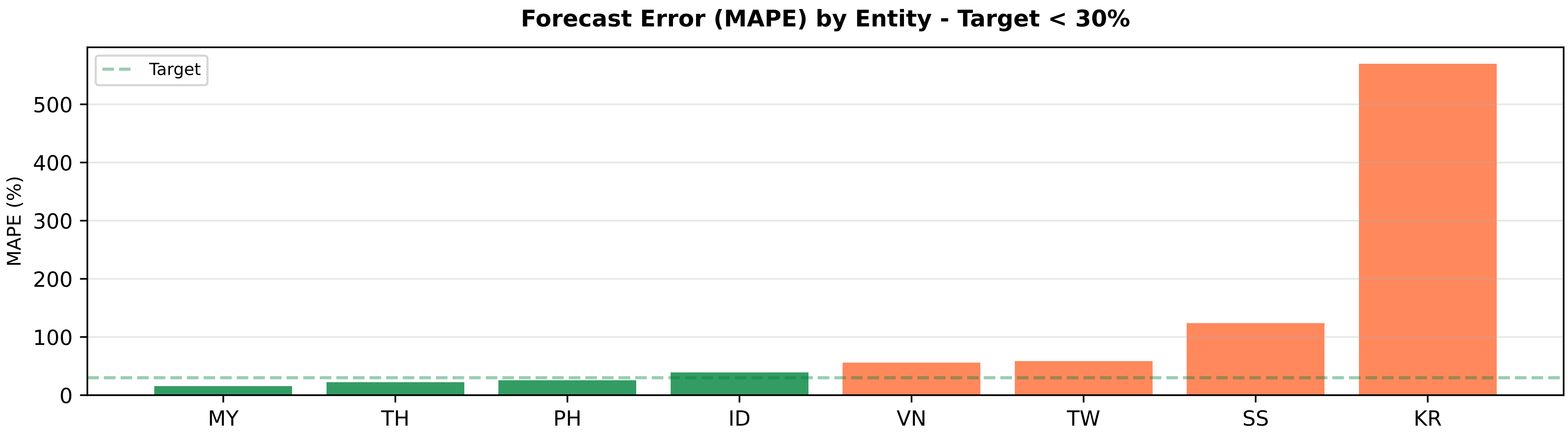
Feature	Logic	Impact	Weight
Lag_1	Prev week CF	Trend momentum	Critical
Lag_4	Previous month	Monthly cycle	High
Roll_Mean	4-week average	Smooth baseline	High
Roll_Std	4-week variance	Risk/Volatility	Medium

WHY ARIMA HYBRID?

- Statistical Rigor: Captures autoregressive nature of treasury flows.
- Seasonality: Excellent at identifying month-end/quarter-end spikes.
- Explainability: Unlike pure deep learning, ARIMA components map to real business cycles.
- XGBoost Synergy: The second stage corrects non-linear errors ARIMA misses.

PERFORMANCE CLINIC

Comparative Analysis vs. Benchmarks (Metrics & Backtests)

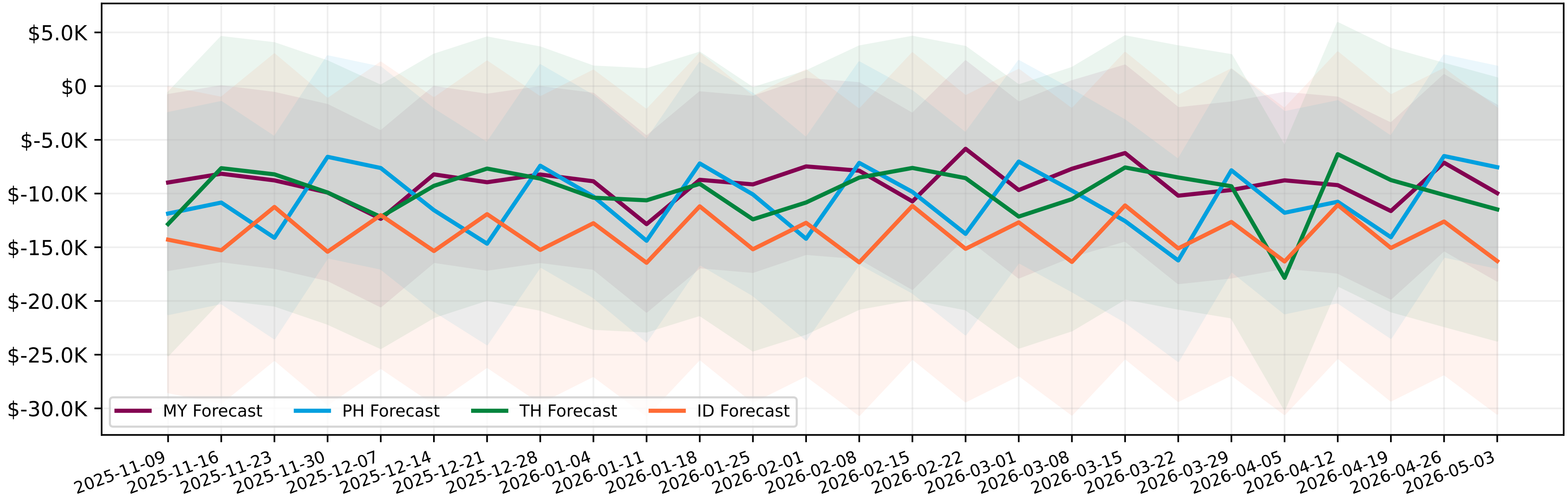


ENTITY	RMSE	MAE	MAPE ERROR	ACCURACY SCORE
ID	$5.5K	$4.6K	38.9%	61.1%
KR	$12.5K	$10.8K	569.6%	0.0%
MY	$1.7K	$1.3K	15.2%	84.8%
PH	$3.5K	$2.9K	25.6%	74.4%
SS	$1.5K	$1.3K	123.4%	0.0%
TH	$2.0K	$1.8K	22.2%	77.8%
TW	$14.8K	$13.8K	58.6%	41.4%
VN	$8.2K	$7.0K	55.7%	44.3%

LIQUIDITY FORECAST OUTLOOK

6-Month Strategic Predictions & Confidence Envelopes

Multi-Entity Liquidity Roadmap (95% Confidence)

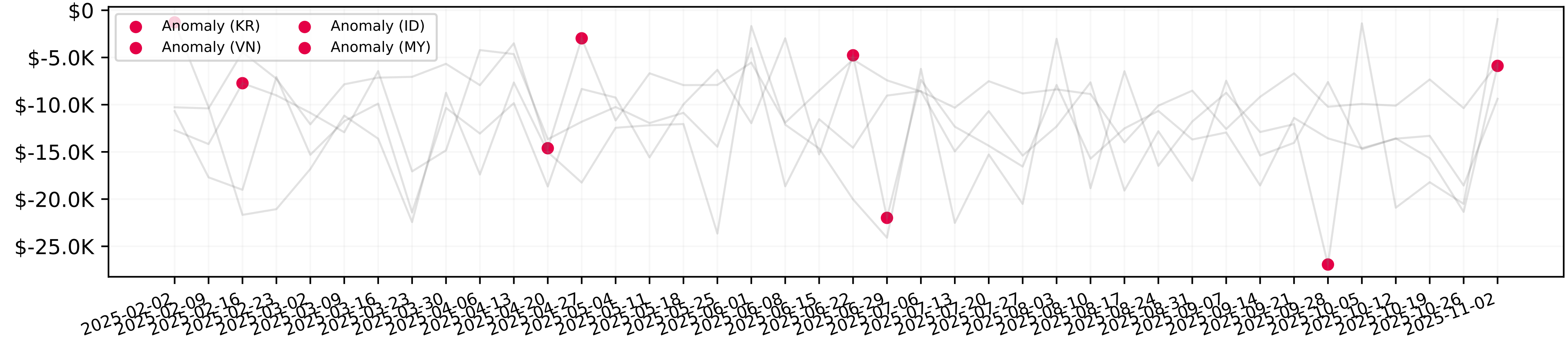


ENTITY	NEXT MONTH TOTAL	6-MONTH OUTLOOK	AVG WEEKLY CF
ID	$-56.2K	$-361.0K	$-13.9K
KR	$-60.9K	$-368.5K	$-14.2K
MY	$-35.8K	$-235.2K	$-9.0K
PH	$-43.4K	$-275.6K	$-10.6K
SS	$-8.2K	$-53.5K	$-2.1K
TH	$-38.6K	$-257.0K	$-9.9K
TW	$-86.5K	$-577.0K	$-22.2K
VN	$-45.6K	$-301.1K	$-11.6K

RISK INTELLIGENCE & AUDIT PLAN

Structural Anomalies & Prioritized Treasury Actions

Timeline: Detected Structural Volatility Events



PRIORITY	CATEGORY	REQUIRED ACTION	TIMELINE
CRITICAL	Entity Audit	Investigate VN recurring spikes	Next 48h
HIGH	Cash Reserve	Increase ID reserve to $18M	This Week
HIGH	Model Drift	Update ARIMA parameters for KR	Bi-weekly
MEDIUM	Portfolio	Consolidate SS and PH treasury	Month End
MEDIUM	Automation	Integrate Forecast API to SAP	Q1 2026