



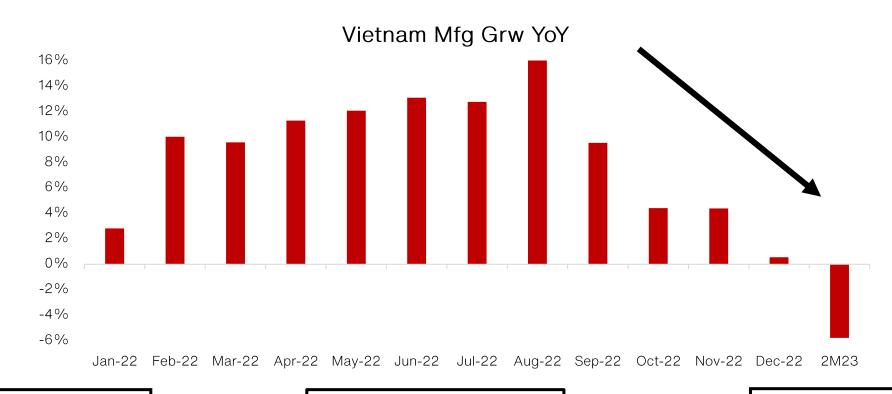
What We Expect in 2023

Vietnam's GDP Growth: 8.0% in 2022, 6.0% in 2023F

| | 2022 | 2023F | Pre-COVID Average* |
|----------------------------|----------------|---------------|-----------------------|
| GDP | +8.0% | +6.0% | +7.0% |
| Real Retail Sales | +15.6% | +9.0% | +9.0% |
| Manufacturing | +8.1% | +0.0% | +12.0% |
| Infrastructure Spending | 4%/GDP | 7%/GDP | 3%/GDP |
| Tourist Arrivals | ~20%/Pre-COVID | 50%/Pre-COVID | |

^{*}Average Over 2015 - 2019

Vietnam Manufacturing Peaked in Mid-2022



Inventories at US Retailers +20% in 2022



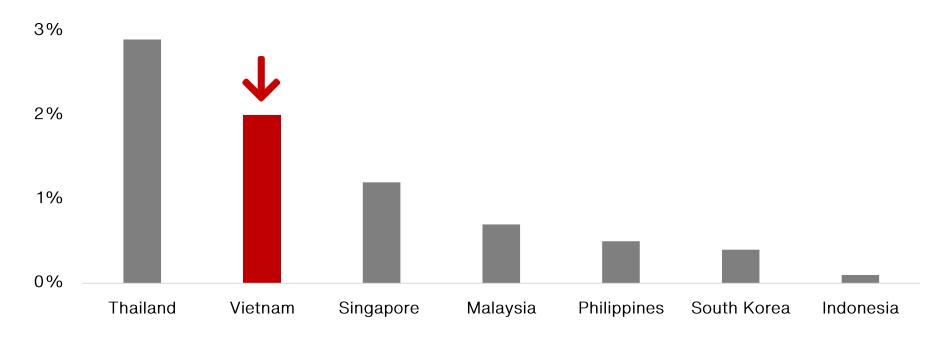
Record ↓ in US Imports of Consumer Goods



Plunging VN Factory Orders

China's Re-Opening Will Mainly Boost Tourism in Vietnam





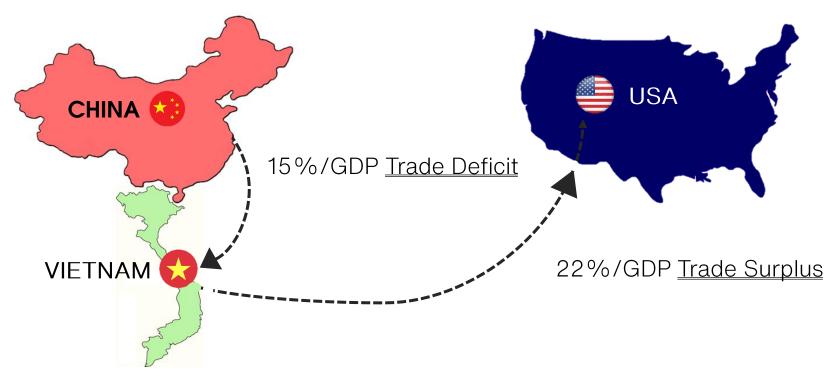
Note: 1) Chinese Tourists = 1/3 of VN Tourist Arrivals, Pre-COVID

2) Vietnam has a 17%/GDP Trade Deficit with China

(So a Surge in Chinese Domestic Demand Won't Really Help VN's Economy!)

Vietnam's Modest Exposure to China

- Vietnam has Minimal Exposure to China's <u>Domestic Economy</u>
- Vietnam Imports from China → Exports to US *

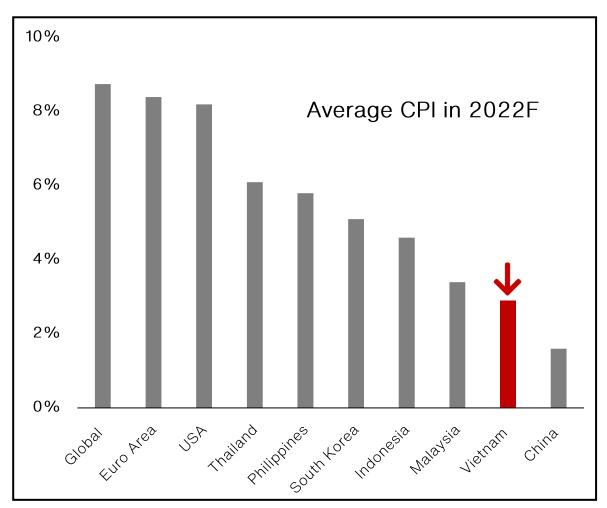


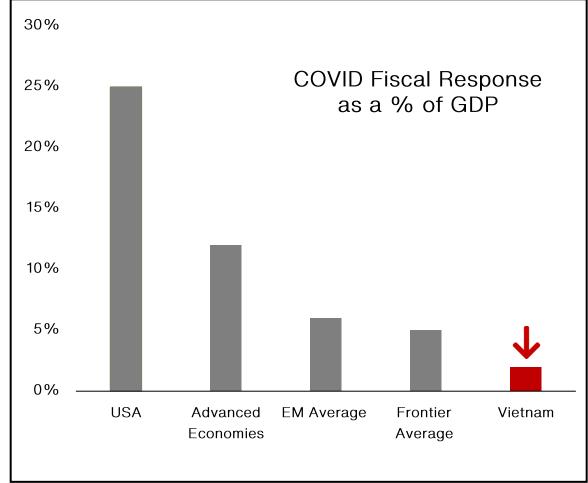
^{*} Circa ²/₃ of Vietnam-China Trade is in Electronics and Garments



Macro-Stability: Modest Inflation in Vietnam

Vietnam Did Not Print & Spend Money During COVID





The Three Main Issues Impacting Vietnam's Real Estate Developers



- 1 Slow Approval Process
- 2 Tight Liquidity in VN's Banking System
- Developers Have a Structural "ALM Mismatch" Problem

These are Financial Issues – Not Economic Issues

Vietnam's Real Estate Market is Fundamentally Healthy



In Vietnam

The Demand For New Housing Units Outstrips Supply By At Least 2x!



In Emerging Markets

Real Estate Boom & Bust Cycle → Massive Oversupply (Not in Vietnam)



In China

Gerschenkron Growth Model → Ghost Cities

(There's No Evergrande Risk in Vietnam!)

Understanding the Core Issues

Developers' ALM Mismatch



Slow Approval Process



Need to Borrow Money



Banks' Loan-to-Deposit Ratios (LDR) ~100%



Decree 65



No Money For Developers

Understanding the Core Issues (Continued)

- In 2020-22: Loan Growth > Deposit Growth by 3%pts Annually
 - 2020-21: COVID
 - 2022 : VN Dong Weakness in 2022

▶ LDR Needs to Fall Below 95% for Deposit Rates to Fall: $8\% \rightarrow 6\%$

- The Real Estate Market Needs a ~200bp Drop in VN Interest Rates
 - Deposit Rates Need to Fall: 8% → 6%...
 - ... In Order to Encourage Investors & Home Buyers

Two Keys to Vietnam's Long-Term Future



FDI, Driven by Geopolitics



Emerging Middle Class, Driven by

Demographics & Urbanization

US-China Trade Tensions Benefit Vietnam

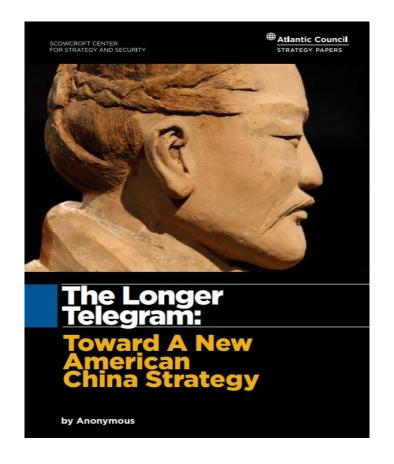
Biden Administration Maintains China Tariffs



"Until the day that China chooses a path to have its economy operate more like ours"

Katherine Tai, USTR September 3, 2022

The US is Courting Vietnam



High Tech FDI is Pouring into Vietnam



Vietnam to make Apple Watch and MacBook for first time ever



REUTERS® Samsung, LG plan multi-billion-dollar additional investment in Vietnam

FINANCIAL TIMES

Vietnam to start making Apple Watch and MacBook

The New York Times Big Tech Reconsiders the "Made in China" Way

Bloomberg

Apple Suppliers Are Racing to Exit China, AirPods Maker Says

FORTUNE

'Producing in China and exporting abroad is no longer viable'

NIKKEI **Asia**

Apple to start making MacBooks in Vietnam by mid-2023

13 Classified: Public

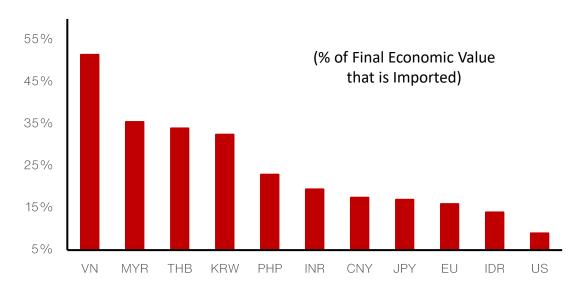


Vietnam is Moving up the Value Chain

The Smile Curve of Manufacturing Economic Value

Purchasing Purchasing Production Production Ancillary Services Marketing Production Delivery Logistics

Import Content of Exports



High Tech FDI is Driving Vietnam's Economic Evolution



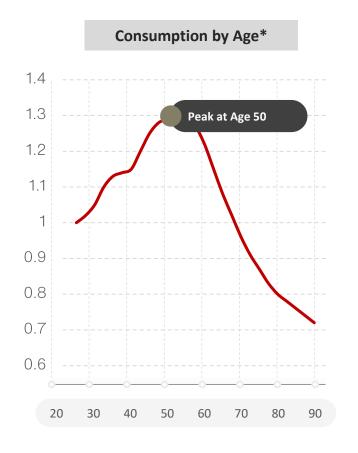
A Developing Economy's Most Powerful Growth Driver is a <u>Rise in</u> the <u>Complexity</u> of the Products it Produces

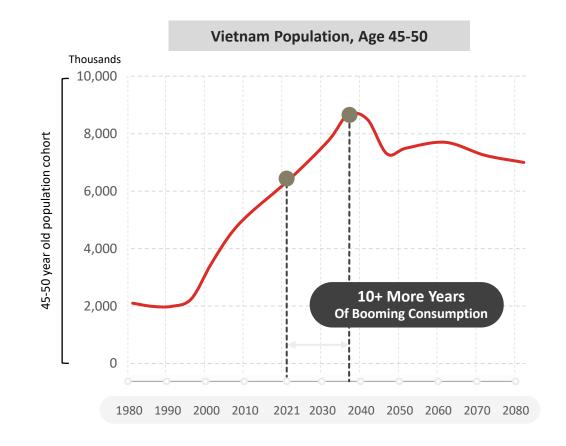


FDI is Instrumental in Helping Economies Move up the Global Value Chain



Vietnam's "Demographic Dividend" to Continue for 10+ Years





* Notes:

- 1) This Curve is Consistent Across Countries
- 2) Source: University of Pennsylvania



Thank You

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