





## Gauging the Risks Going Forward 2023 - 2024

Presented by ITR Economics Senior Forecaster Connor Lokar

#### 2022 Global Forecast Results



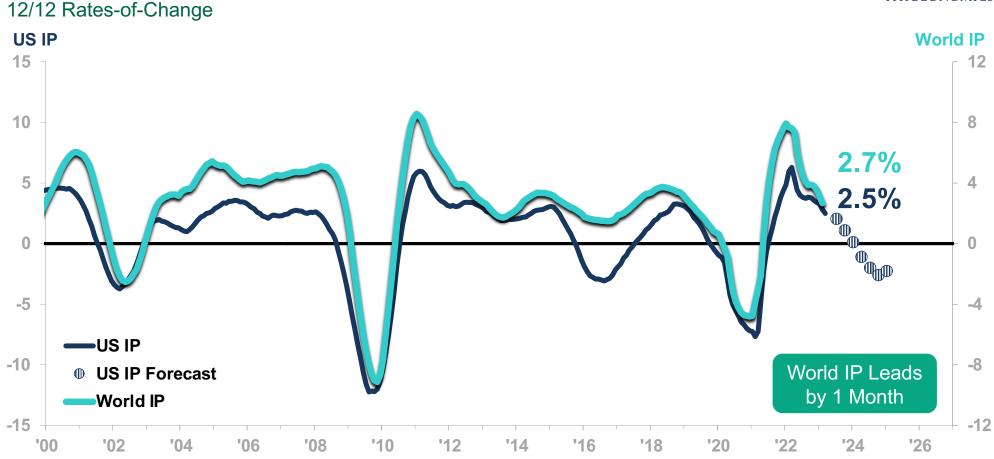
	Duration	Accuracy
World Industrial Production	13	99.6%
Western Europe Industrial Production	23	99.5%
Eastern Europe Industrial Production	15	96.7%
Canada Industrial Production	24	99.7%
China Industrial Production	16	98.5%
Mexico Industrial Production	13	98.4%
Japan Industrial Production	13	98.7%
India Industrial Production	26	98.7%
Germany Industrial Production	13	99.2%
Brazil Industrial Production	13	98.9%

ITR Economics provides the best economic intelligence to reduce risk and drive practical and profitable business decisions.

## The Cyclical View

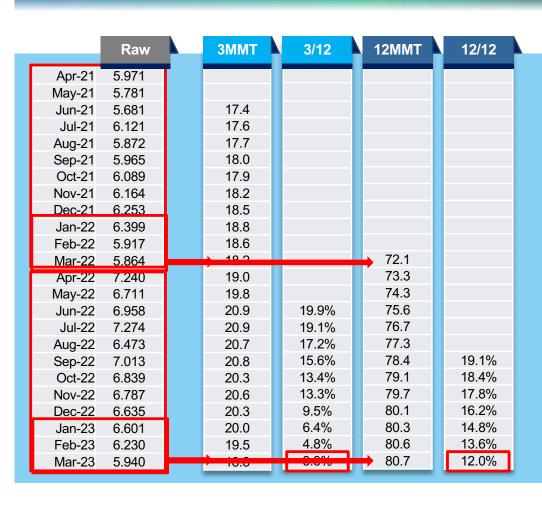
#### **US Industrial Production Index to World Industrial Production Index**





#### A Powerful Management Tool • Rates-of-Change





3/12

Based on data from a consecutive 3-month period compared to one year earlier.

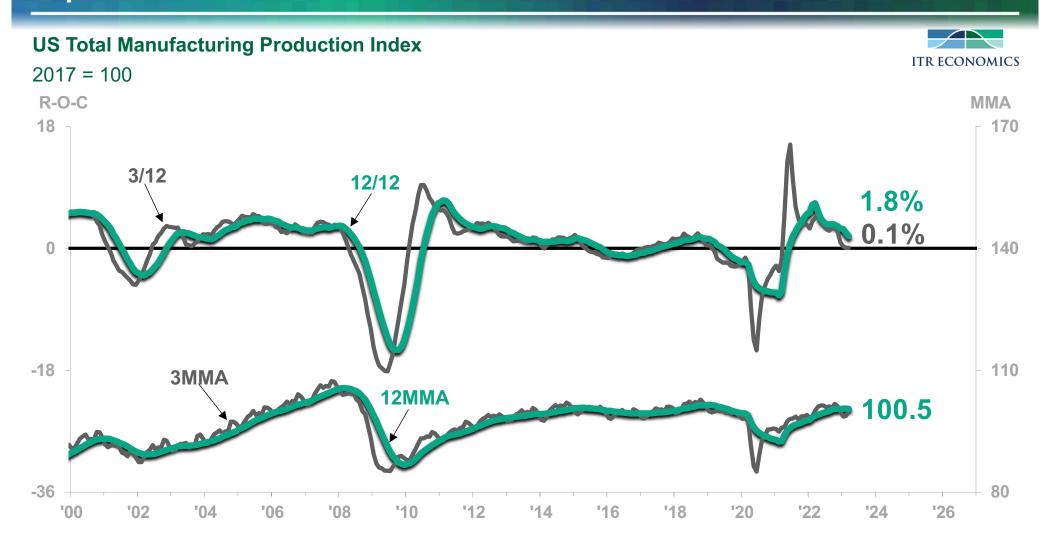
**Anticipates** shifts in business cycle trends.

12/12

Based on data from a consecutive 12-month period compared to one year earlier.

**Defines** the business cycle.

## **Expect Mild Decline to Extend Well Into 2024**

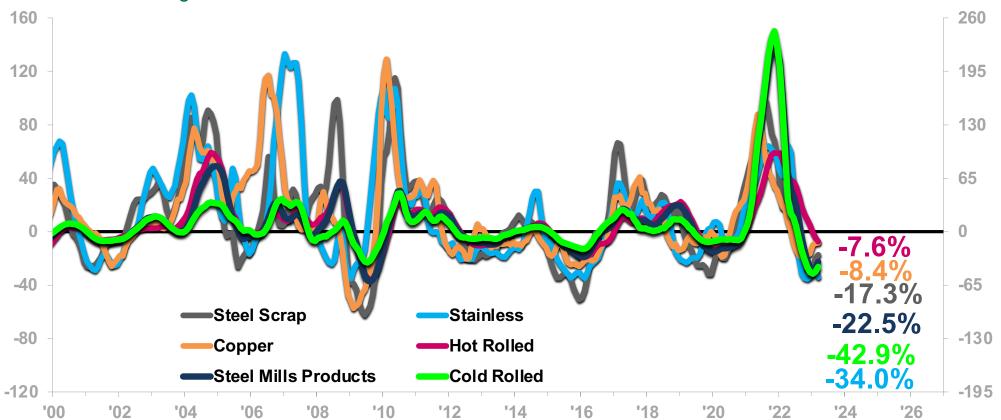


## **Deflationary Metals Trends**

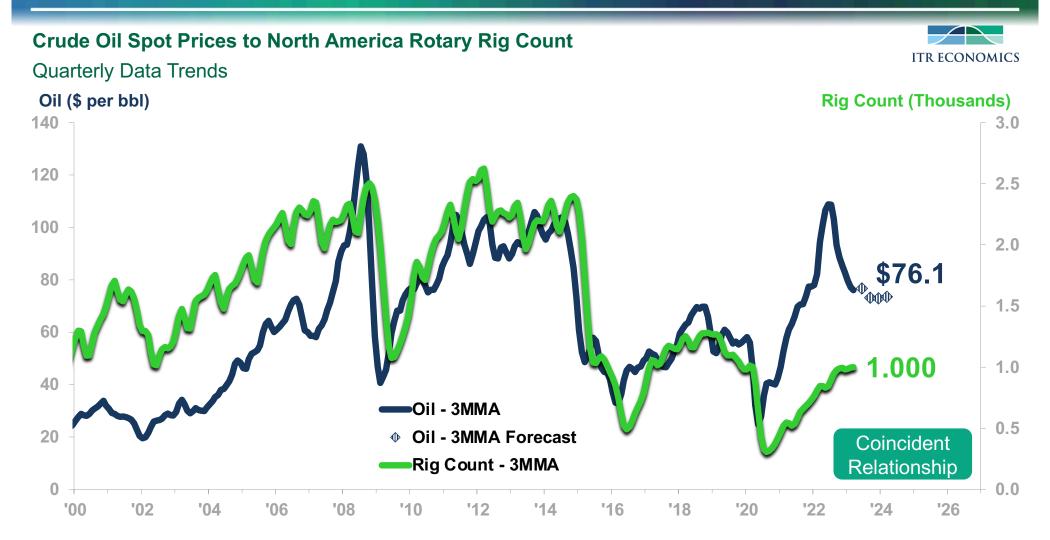
## Commodity Prices Copper to US Producer Price Indexes for Steel Scrap, Stainless, Hot Rolled Steel, Cold Rolled Steel and Steel Mills Products



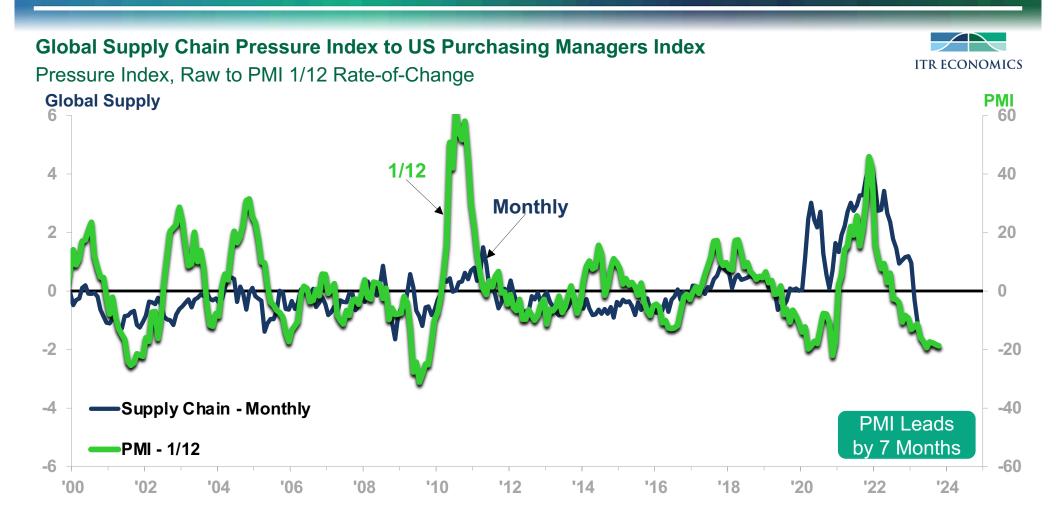




#### Oil Prices Moderating Off 2022 Highs



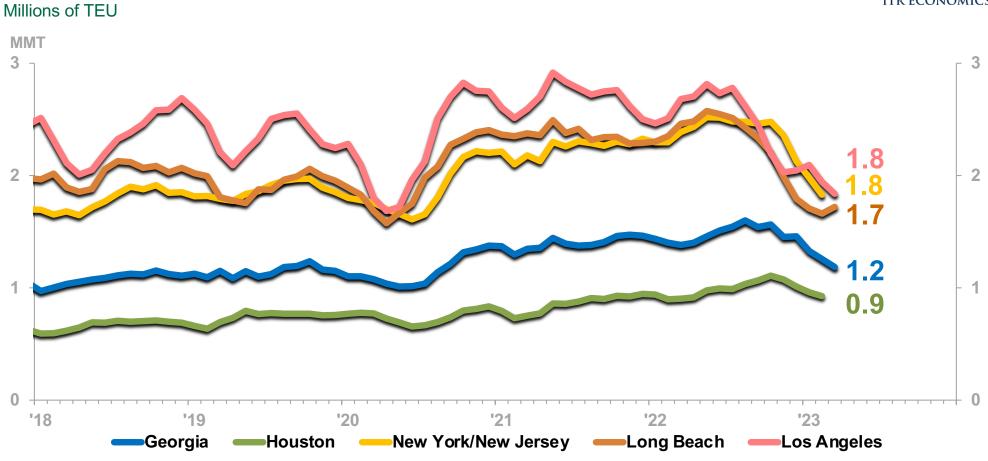
## Slowing Economic Growth Means Less Supply Chain Pressure



## Freight Volumes Tell the Story

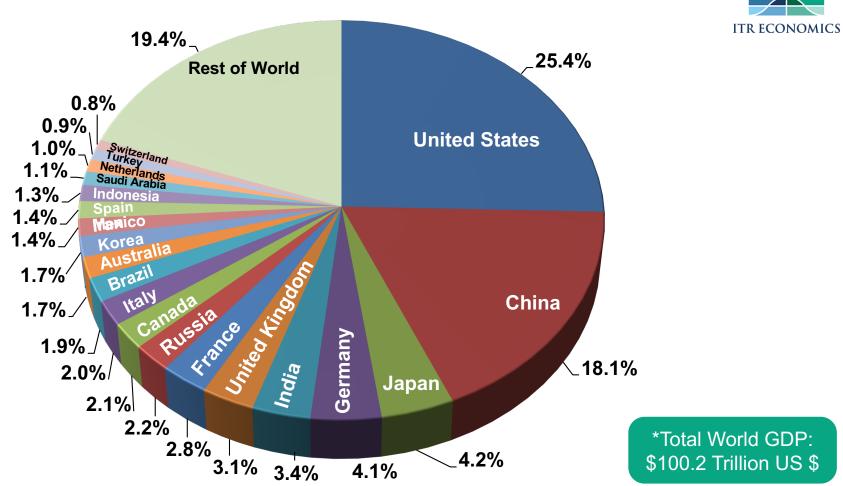
#### **Total Intermodal Container Traffic | Top Five US Ports**





## Percent of World GDP by Country





## Global Factors Impacting the US Economy Summary

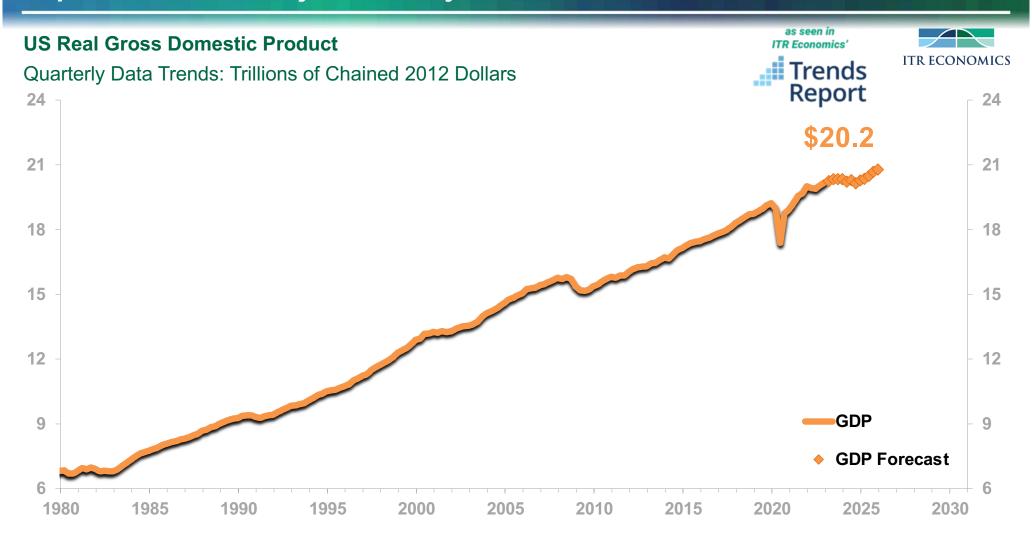


- Expect inflation to diminish over the course of 2023 as global growth slows
- Supply chain stress will generally diminish through 2023 barring disruptors
- Follow the leading indicators to determine if they are sustained and becoming more widespread

#### **Next Steps**

- Nationalism is providing opportunities in the US market
- On-shoring is real as supply chains must be made more secure

## Expect an Essentially Flat/Mildly Positive 2024



## Inverse Yield Curve in Place: Business Cycle Decline Ahead

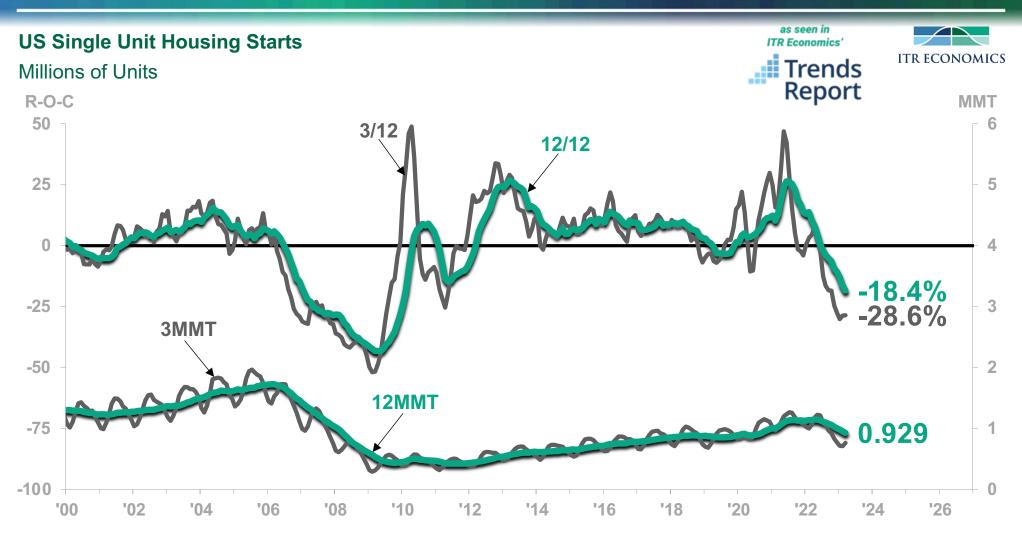
#### **US Government Long-Term Bond Yields to US 3-Month Treasury Bond Yield**



Raw Data: Percent



## Rate Hikes Have Already Broken Housing

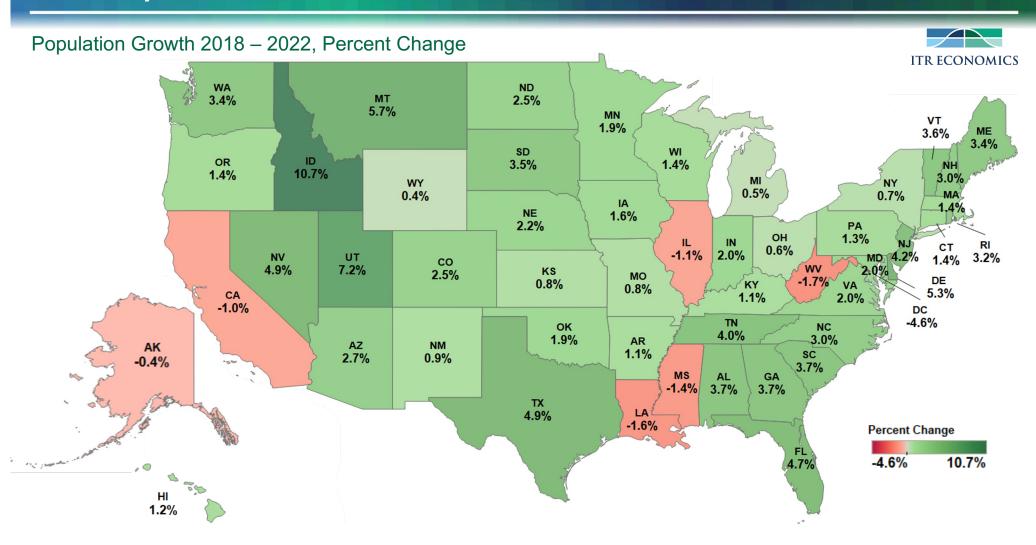


## US Regional Single-Family Housing Unit Building Permits

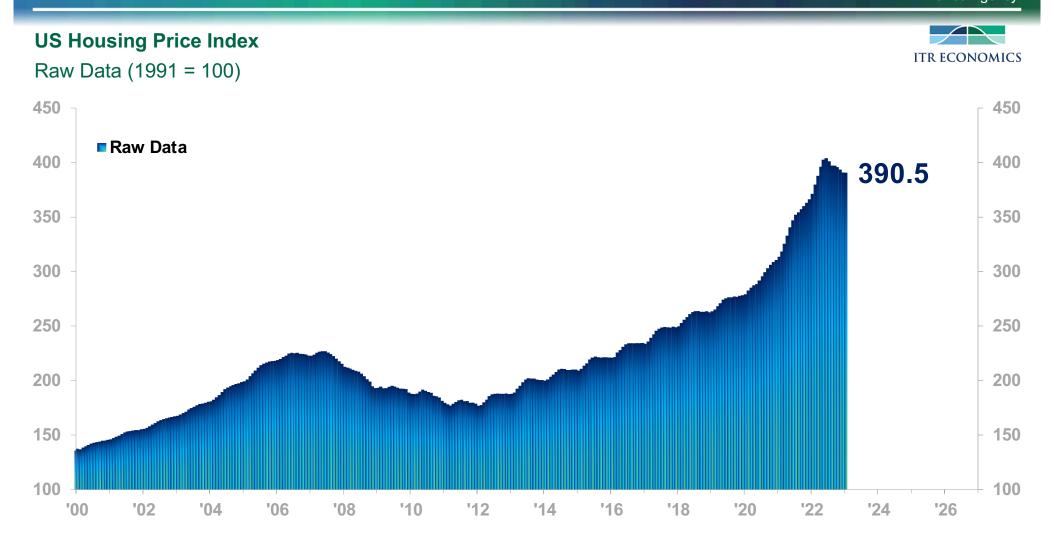


Region	12/12	Phase	3/12	Annual Trend	Direction
Northeast ME, NH, VT, MA, CT, RI, NY, NJ, PA	-16.4%	D	-28.2%	56.7	Down
Southeast DC, DE, MD, VA, WV, NC, SC, GA, FL, AL, MS, TN, KY	-15.2%	D	-28.9%	364.6	Down
Great Lakes OH, MI, WI, IN, IL	-16.7%	D	-35.2%	68.3	Down
Plains KS, IA, MN, MO, NE, ND, SD	-21.6%	D	-39.8%	46.9	Down
Southwest AR, LA, OK, TX	-20.5%	D	-40.1%	174.3	Down
Mountains AZ, CO, ID, MT, NV, NM, UT, WY	-29.9%	D	-52.9%	104.0	Down
Pacific AK, CA, HI, OR, WA	-16.9%	D	-33.6%	88.3	Down

## State Population Growth 2018 to 2022



## Some Normalization Will Occur, Varied by Market



## US Economic Leading Indicators: Generally Weak Conditions Indicated

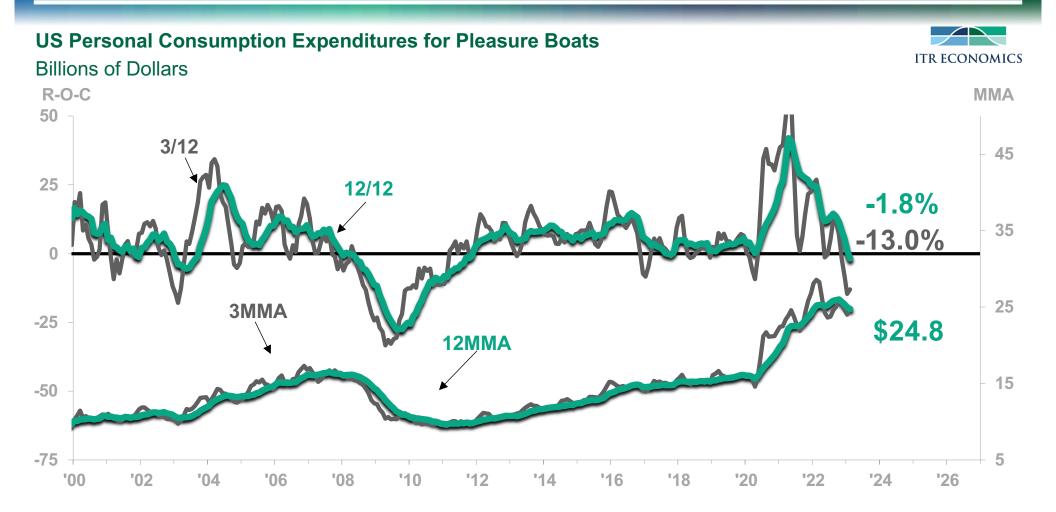
Sources: ITR Economics, Institute for Supply Management, OECD, Yahoo Finance, US Census Bureau, FRB, Markit Economics

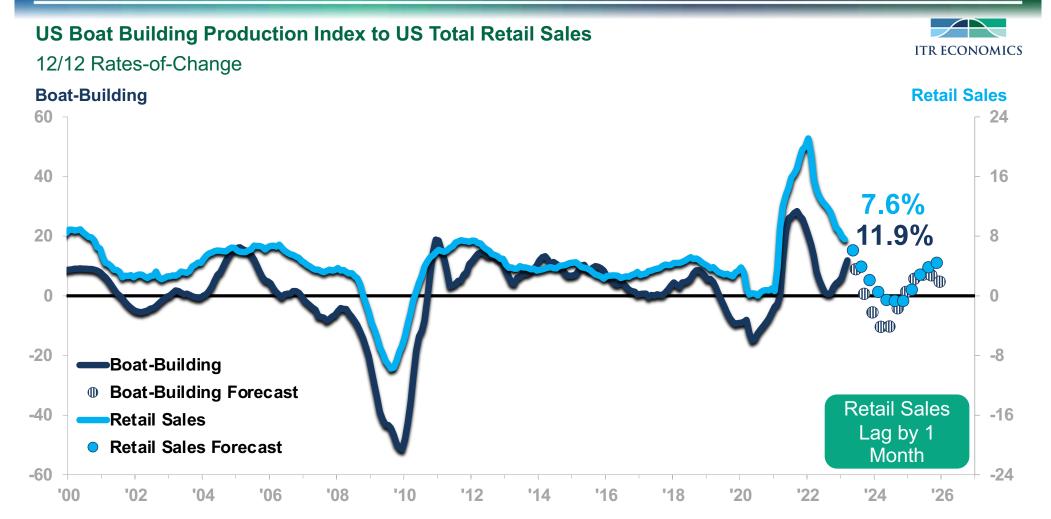
Indicator	Trend	Macro Indication	ITR ECONOMICS
ITR Retail Sales Leading Indicator	Decline	Macroeconomic weakness	
ITR Financial Leading Indicator	Decline	Macroeconomic weakness	
JPMorgan Global PMI	Decline	Macroeconomic weakness	
US OECD Leading Indicator	Decline	Macroeconomic weakness	
G7 Leading Indicator	Decline	Macroeconomic weakness	
Purchasing Managers Index (PMI)	Decline	Macroeconomic weakness	
ITR Leading Indicator	Decline	Macroeconomic weakness	
Wilshire Total Market Cap	Decline	Macroeconomic weakness	
US Business Confidence Index	Decline	Macroeconomic weakness	
Single-Family Housing Starts	Decline	Macroeconomic weakness	
Total Industry Capacity Utilization	Decline	Macroeconomic weakness	
US Exports, Goods – World	Decline	Macroeconomic weakness	

## Retail is Slowing Down



## Consumer Spending On Pleasure Boats Is Contracting

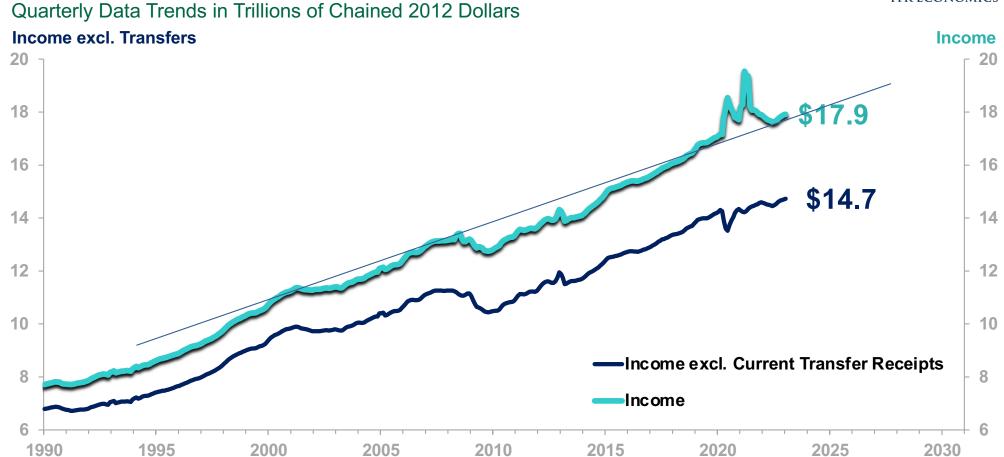




#### Inflation Adjusted Wages Rising Trend

#### US Real Personal Income (excluding current transfer receipts) to US Real Personal Income

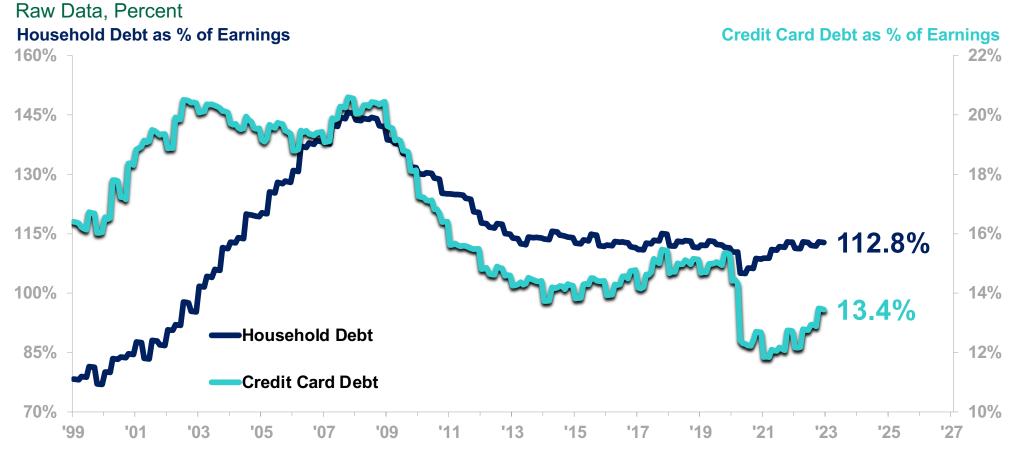




#### Overall Debt Load is Manageable and Credit Card Debt is Minimal

US Household Debt per Capita as a % of US Median Annual Earnings to US Credit Card Debt per Household as a % of US Median Annual Earnings

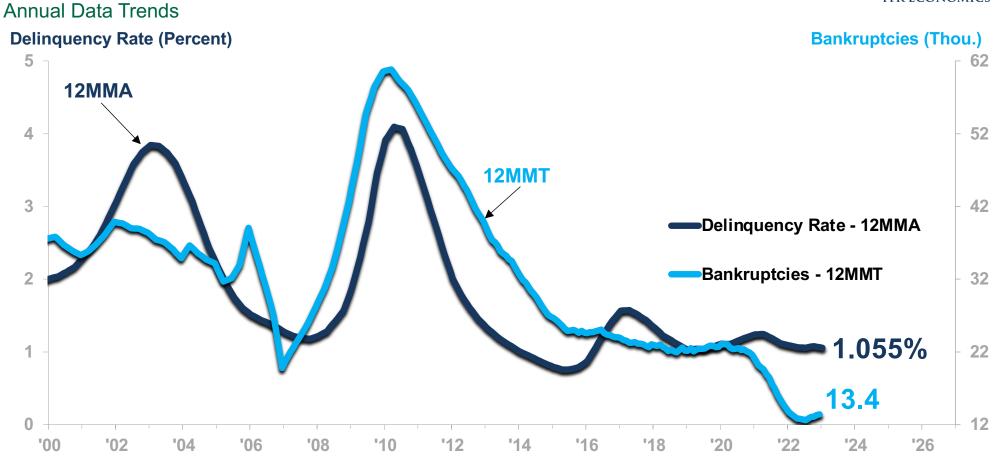




#### Bankruptcies Still Very Low, But Rising

#### US Commercial and Industrial Loan Delinquency Rate to US Business Bankruptcies





## Able to Service Rising Debt Loads

#### **US Profits and Delinquency Rates**



	Monthly	Notes
Auto Loan Delinquency	3.73%	Five year low
Credit Card Delinquency	2.34%	Pre-Covid 10yr avg 2.76%
Residential Delinquency (>90 days)	1.85%	Sep 1.80%, lowest in 15.5 years
Domestic Nonfinancial Profits	\$2.07T	Record high

#### **US Macroeconomic Trends Summary**





- Savings are back to normal. Will the trend stop there?
- Retail Sales expressed in units will trend lower than nominal \$ retail sales.

#### **Next Steps**

- Weakness likely becomes apparent 2H23
- Budget for reduced inventory turns
- Hold on to your A & B level talent

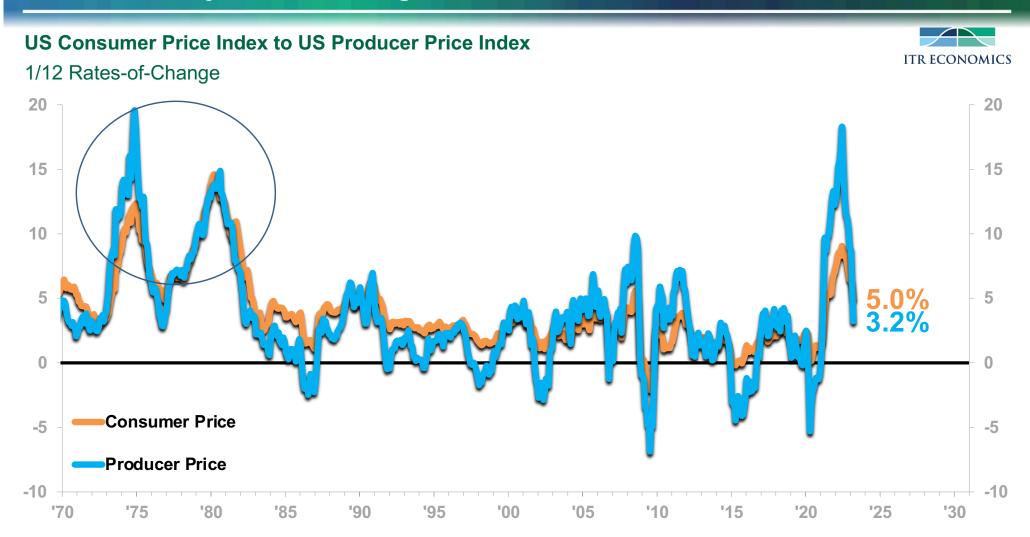




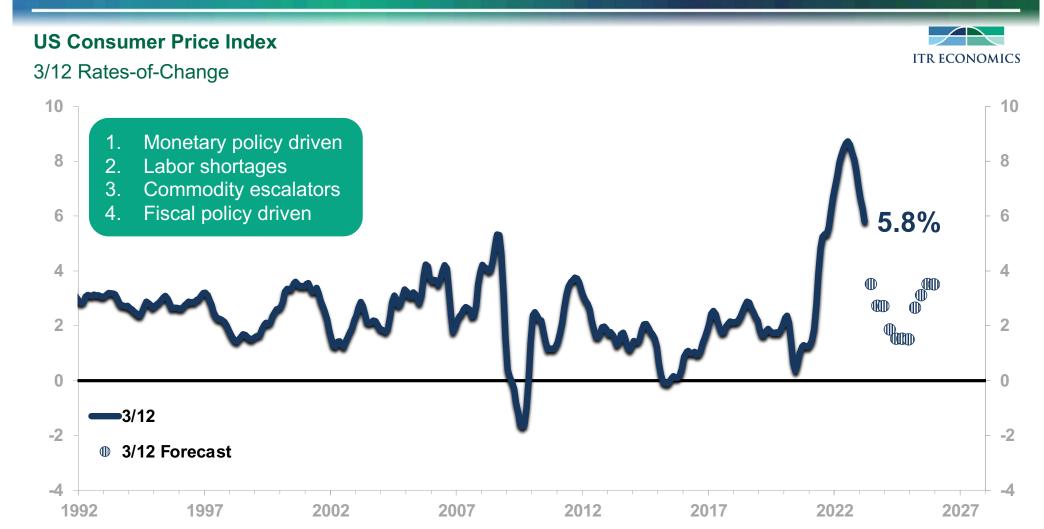
# **Pricing Pressures**



## Disinflationary Trend Through 2023



## Disinflation Through Most of 2024



## Inflation Summary





- Fed should stop raising interest rates; will likely stop 2Q23
- Banks tightening credit

#### **Next Steps**

- Budget understanding that wage inflation will abate for 2023 & 2024
- Tout your competitive advantages to protect margins

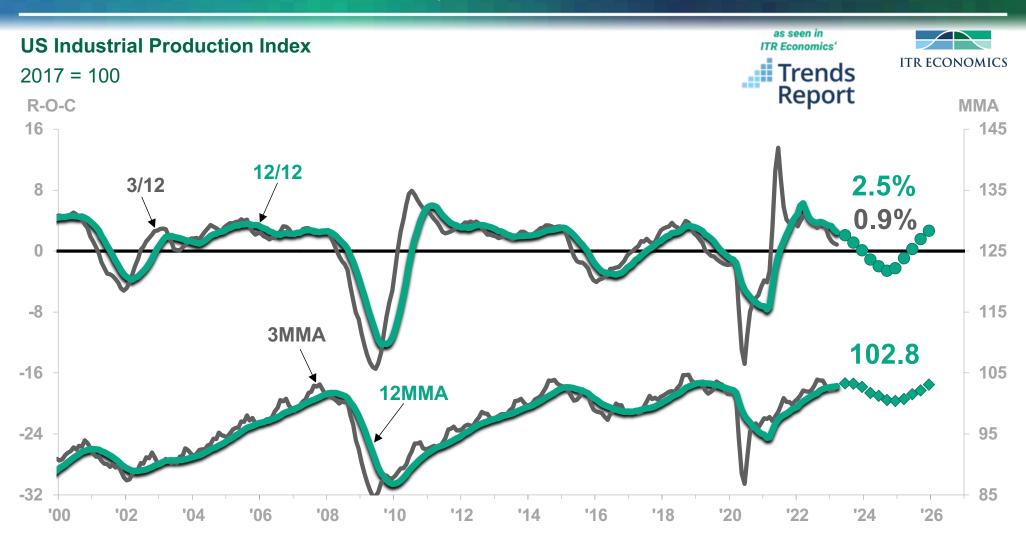




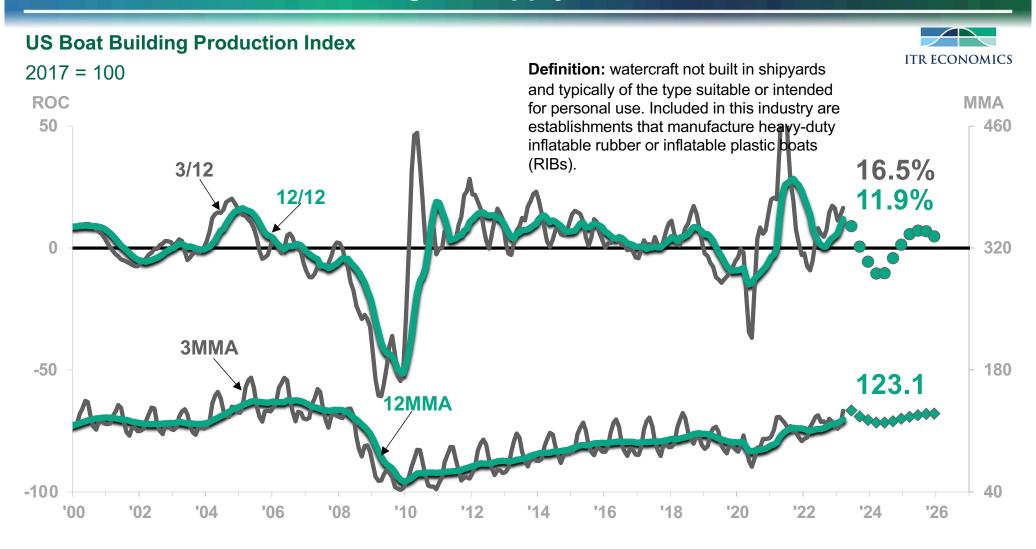
# **Industry Drivers**



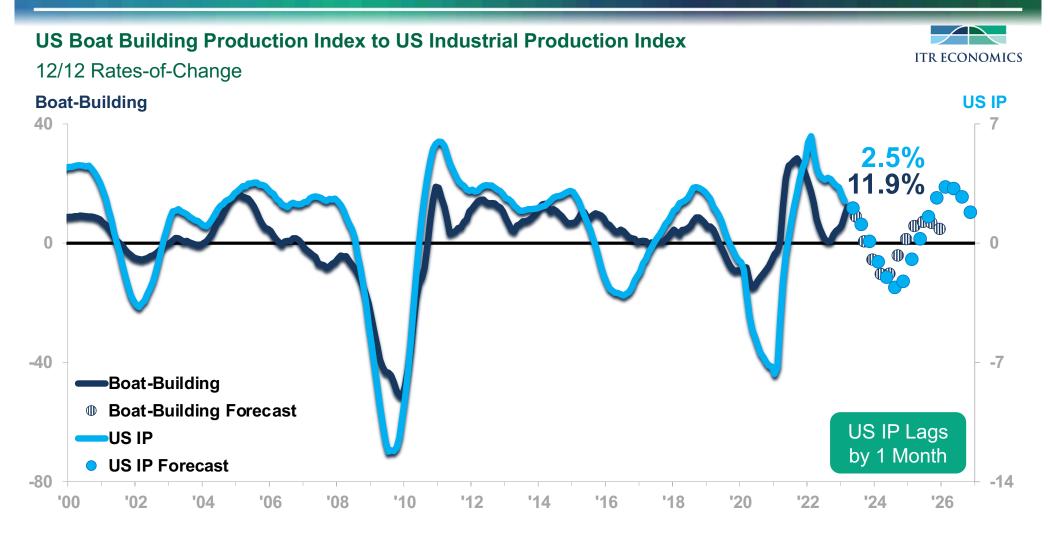
#### Industrial Production Peaks 3Q23



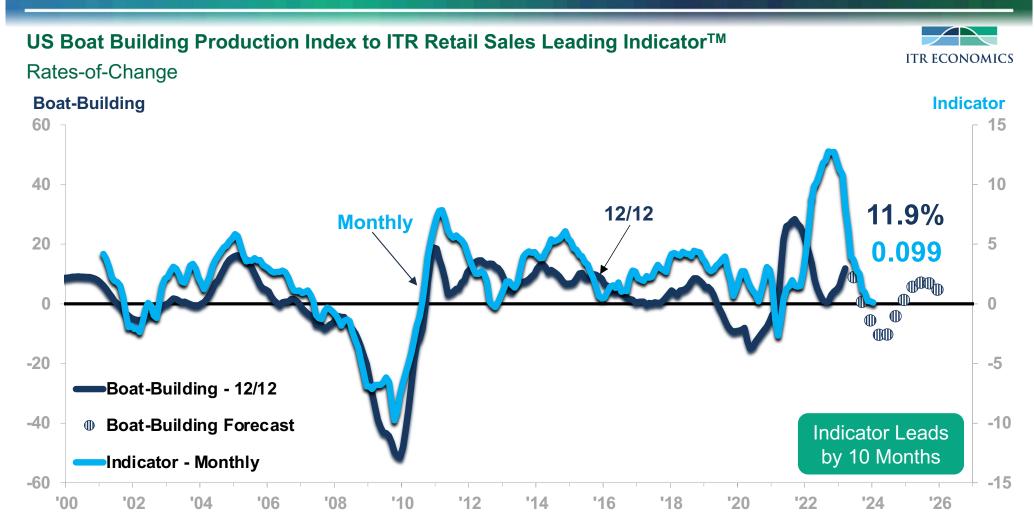
#### Boat Production Accelerating As Supply Chain Woes Ease



#### Boat Building Expected To Realign With Macro Picture In 2024



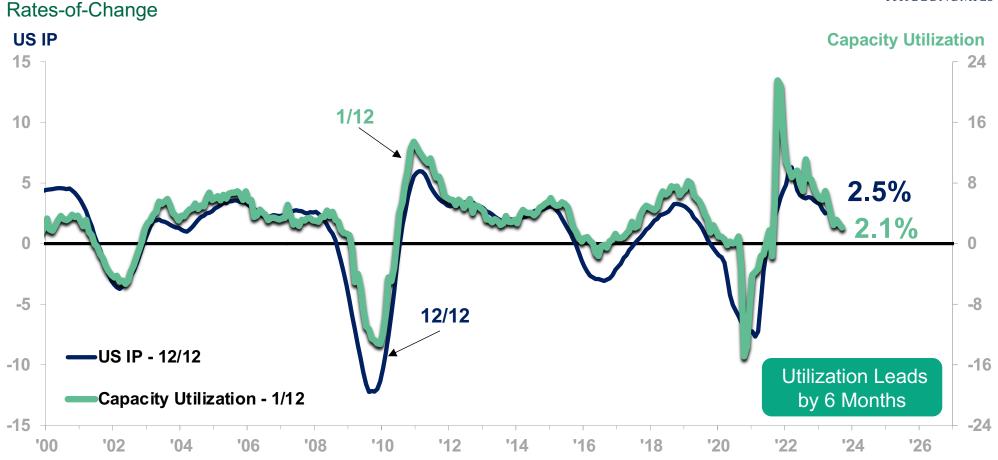
#### Production Rebounding Into Fading Retail Environment



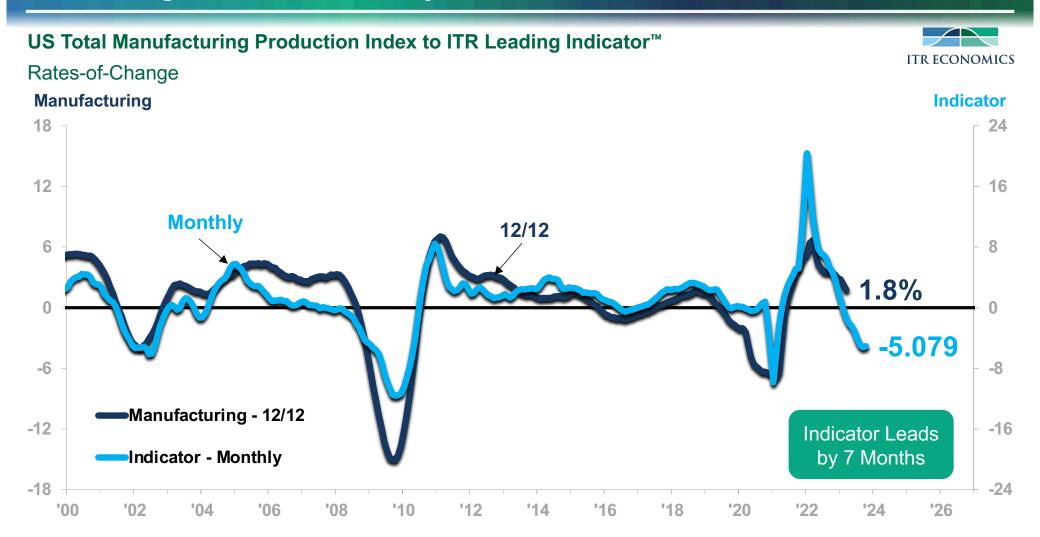
#### Capacity Utilization Indicates Slower Growth Ahead

#### **US Industrial Production Index to US Total Industry Capacity Utilization Rate**





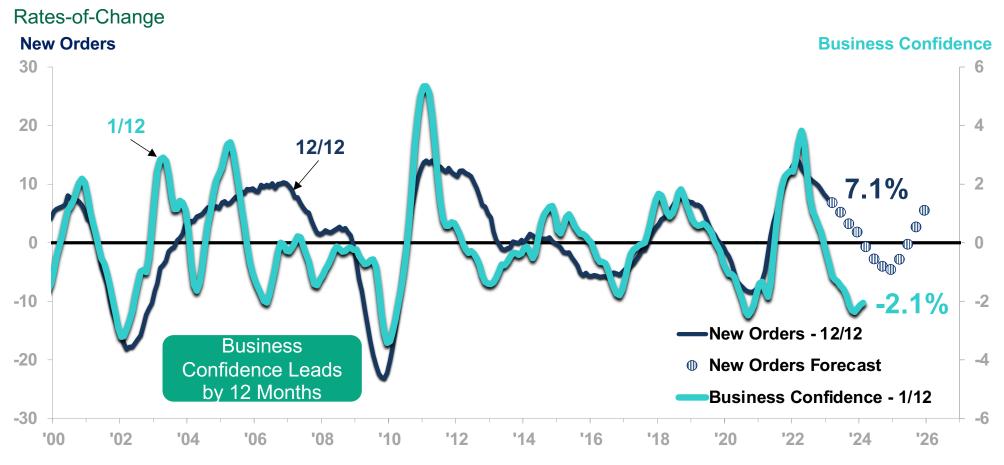
## A Clear Signal of Downside Cyclical Pressure

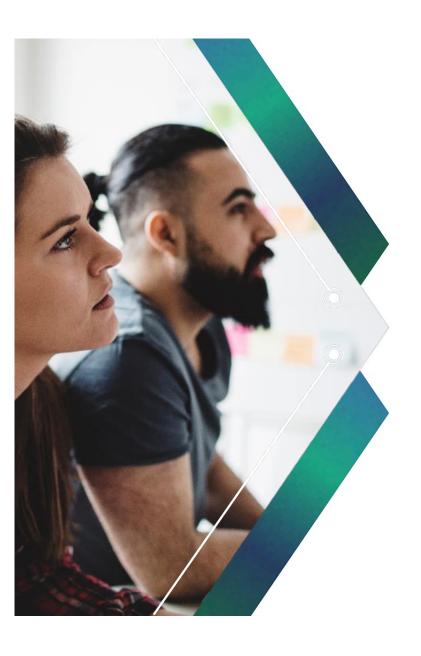


#### Business Confidence Indicates Slower B2B Spend

## US Nondefense Capital Goods New Orders (excluding aircraft) to US Business Confidence Index





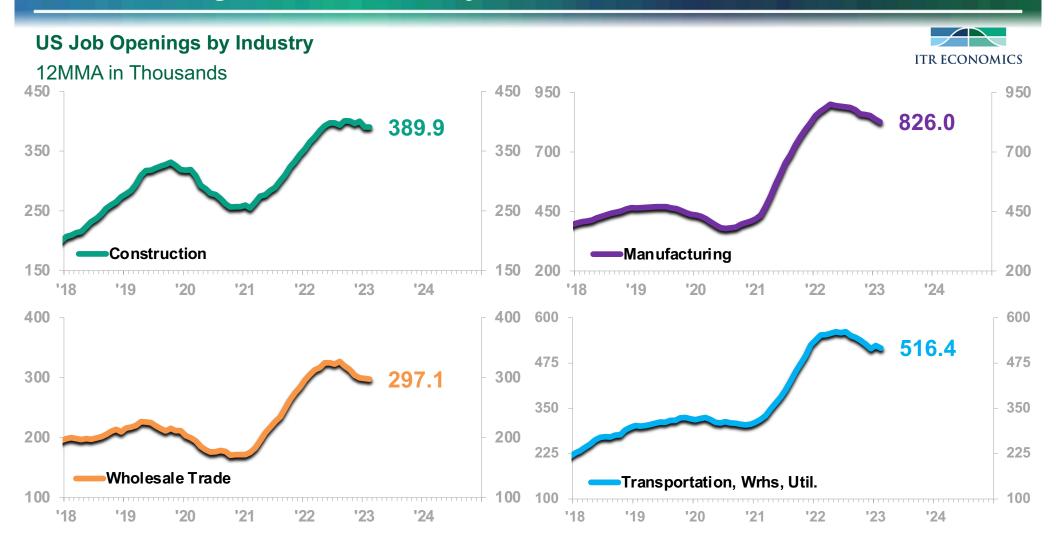




# People



## Labor Shortage Will Not End Anytime Soon



## An Easing in the Quit Rate Will Moderate Employment Costs

#### **US Employment Cost Index to US Quit Rate**

Index: 12/12 Rate-of-Change, Quit Rate: Percent









# Financial Markets



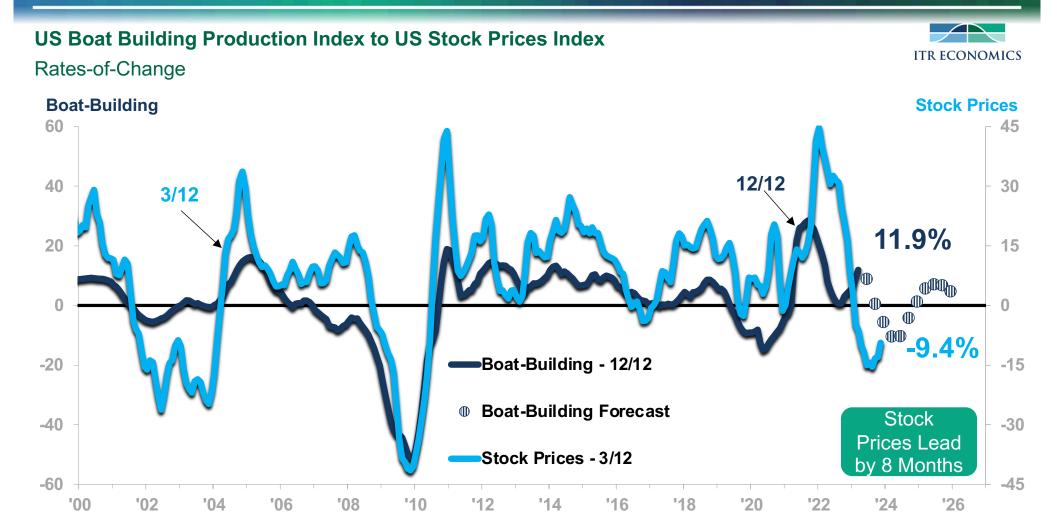
## Increasingly Risk Laden

## US Stock Prices Index to US Domestic Corporate Profits with Capital Consumption Adjustments Data Trends





## Further Stock Market Shock Is Downside Risk To Luxury Segments FRB, Wall Street Journal



## 50/50 Blend Optimizer (50% A, 50% B) Oct 1, 2020 through March 31, 2023



#### Financial Markets Summary





- Optimizer Leading Indicator, M2, & Margin Debt signal caution regarding S&P 500
- Caution does not mean exit the market; continue to build wealth but the strategies will change

#### **Next Steps**

Assess exposure to a future bear trend by market.

Today's price correction is different than a bear market. Stay engaged.



# Any questions?



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