

2021 Forecast Results

Despite everything that happened...

	Duration	Accuracy
US GDP	15	98.6%
US Ind. Production	19	98.3%
Europe Ind. Production	11	97.3%
Canada Ind. Production	12	99.5%
China Ind. Production	14	97.7%
Retail Sales	11	90.6%
Housing - Single Family	12	93.1%
Employment-Private Sector	18	99.2%

*Based on December Estimates

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



Ukraine-Russia Summary

Direct impact to North American market from conflict is limited, US is 3rd largest market for Rus.

Indirect exposure from elevated inflation pressure (Energy, Ag, Metals), market volatility, S.C.

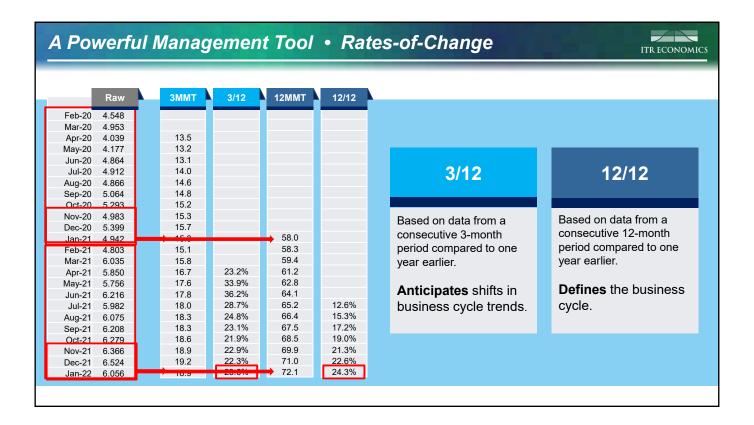
Global inflation/supply chain conditions were already severely strained, slowing growth in 2022 was already expected

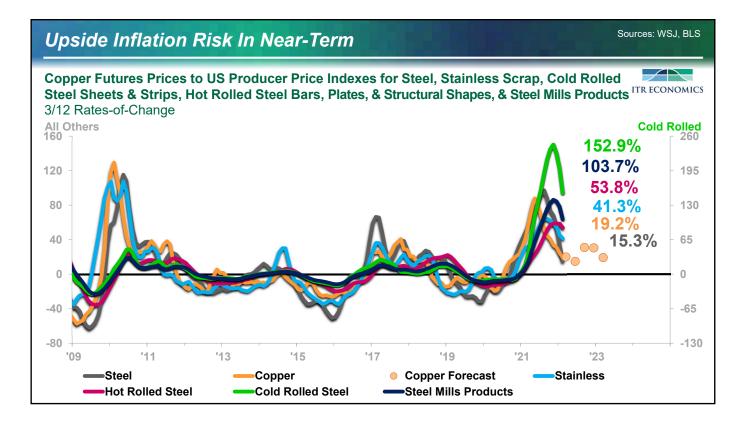
Next Steps

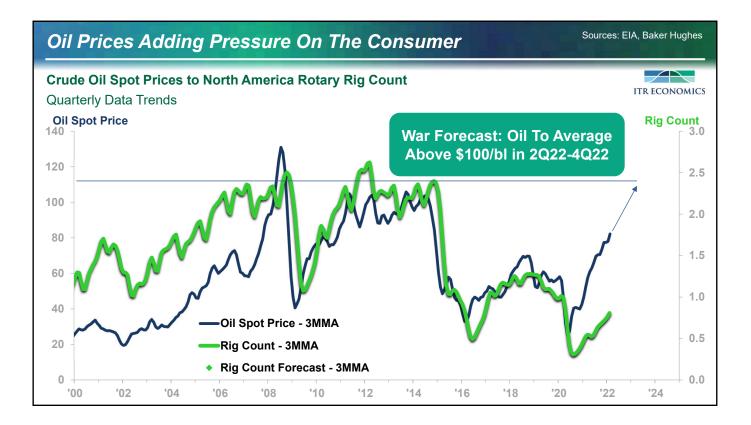
ITR has not yet moved to downgrade NA forecasts as a result, but what's unfolding is certainly a downside risk

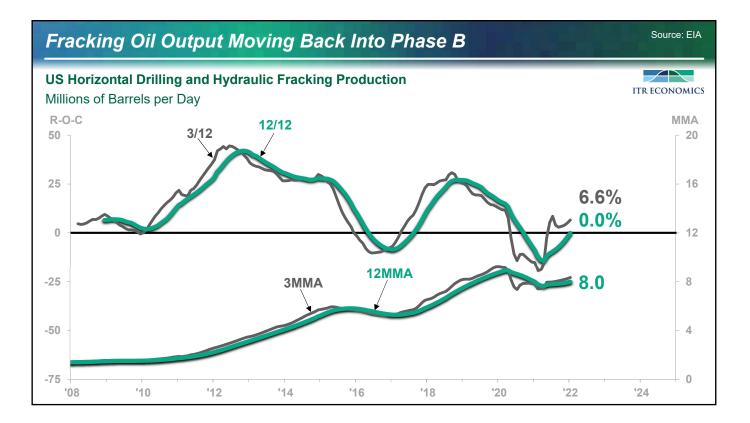
Europe faces more immediate negative economic consequences

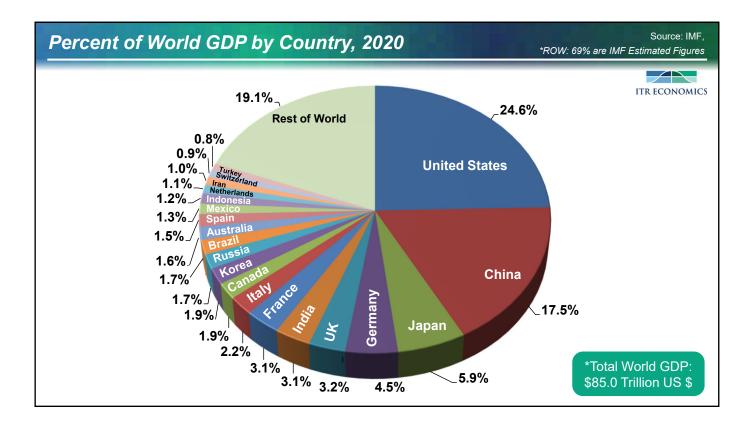
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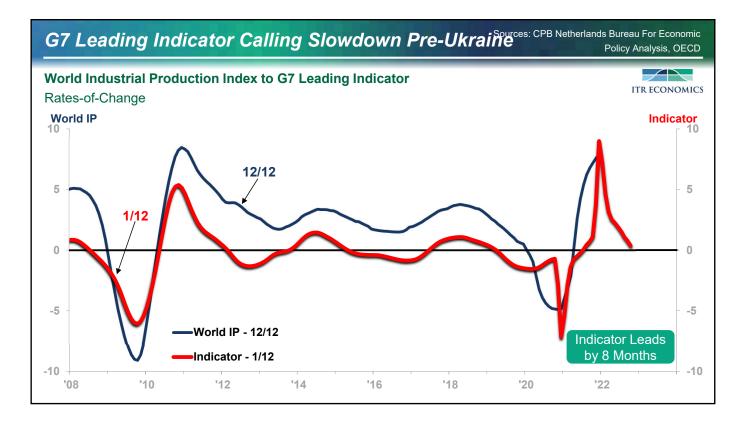


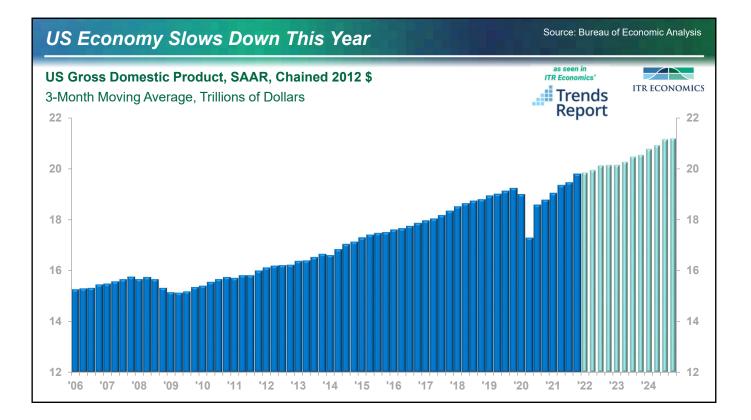




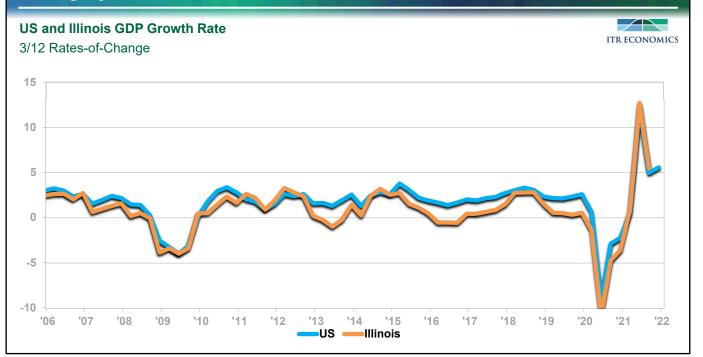




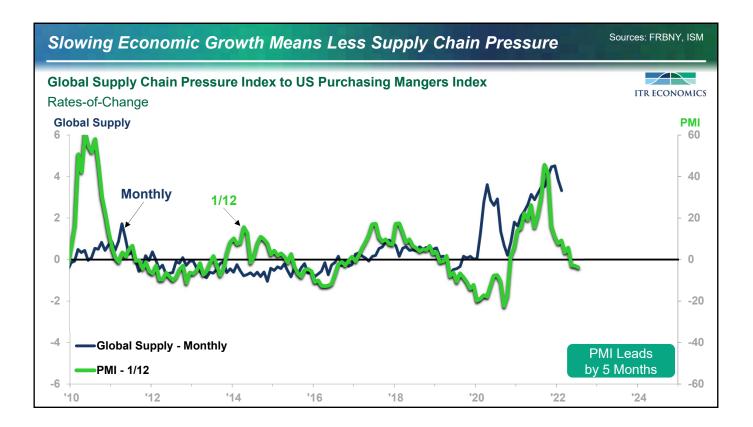




Strong Cyclical Correlation



Source: Bureau of Economic Analysis



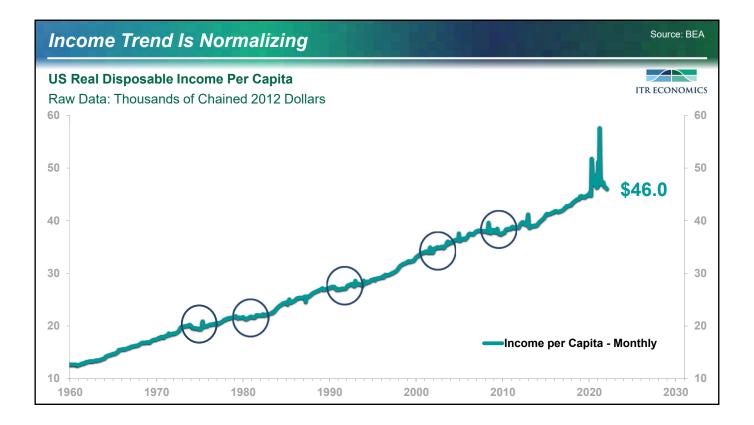


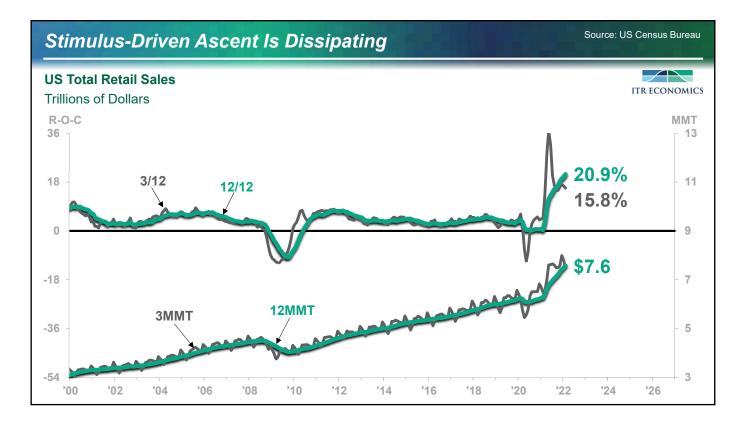


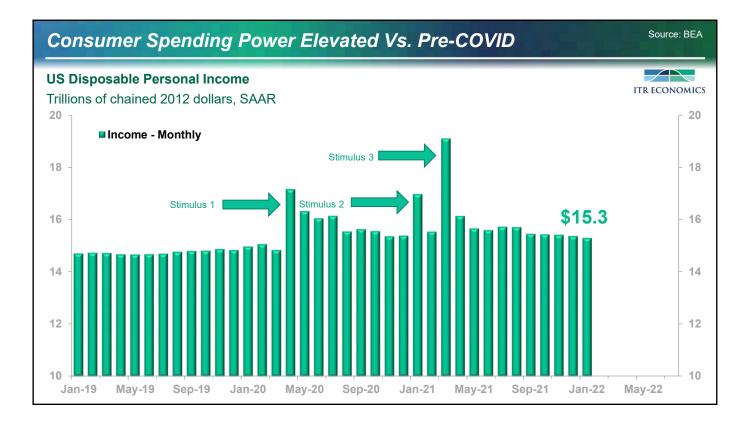
US Economic Leading Indicators: Deceleration in 2022 & 2023

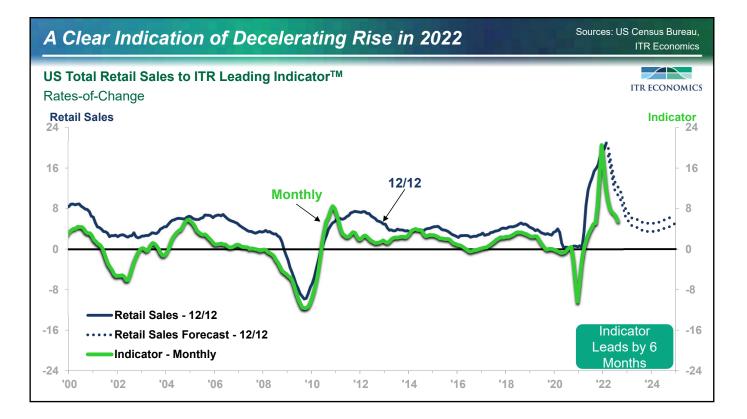
Sources: ITR Economics, Institute for Supply Management, OECD, Yahoo Finance, US Census Bureau, FRB

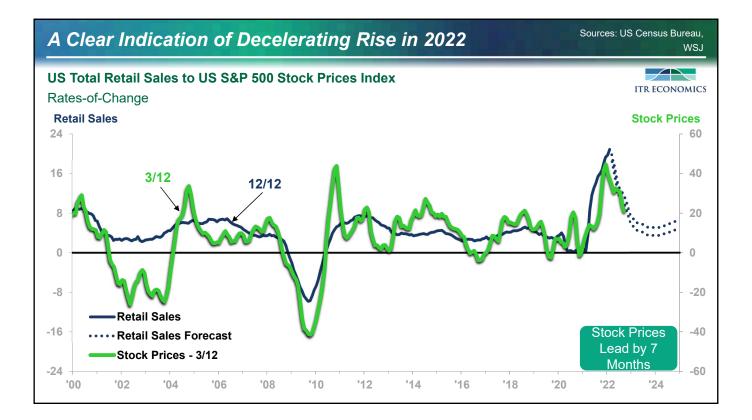
Indicator	Trend	Macro Indication
ITR Retail Sales Leading Indicator	Decline	Deceleration probable for 2022
ITR Financial Leading Indicator	Decline	Deceleration probable for 2022
JPMorgan Global PMI	Decline	Deceleration probable for 2022
OECD Leading Indicator	Decline	Deceleration probable for 2022
G7 Leading Indicator	Decline	Deceleration probable for 2022
Purchasing Managers Index (PMI)	Decline	Deceleration probable for 2022
ITR Leading Indicator	Decline	Deceleration probable for 2022
Wilshire Total Market Cap	Decline	Deceleration probable for 2022
US Business Confidence Index	Decline	Deceleration probable for 2022
Single-Family Housing Starts	Decline	Deceleration probable for 2022
Total Industry Capacity Utilization	Decline	Deceleration probable for 2022
US Exports, Goods – World	Decline	Deceleration probable for 2022

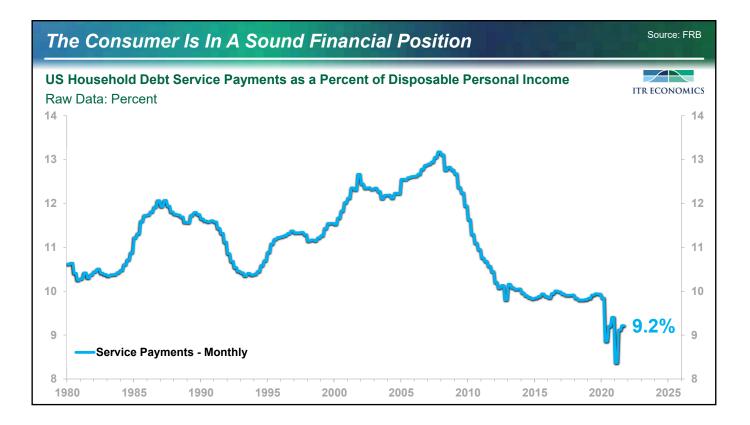












US Macroeconomic Trends Summary

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Consumer Income Prospects Are Good Businesses Are In Good

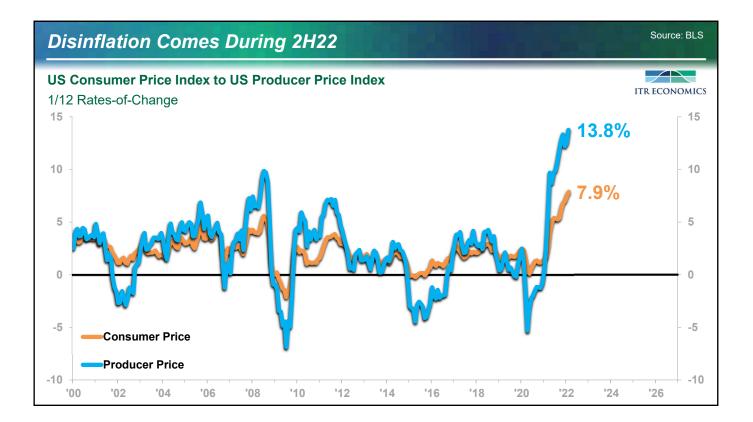
Financial Condition With High Liquidity

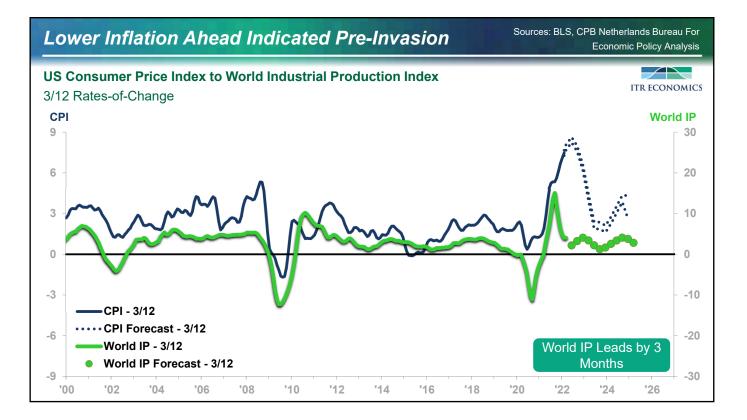
Solid Balance Sheets Suggest a 2022-2023 Soft Landing for the Economy

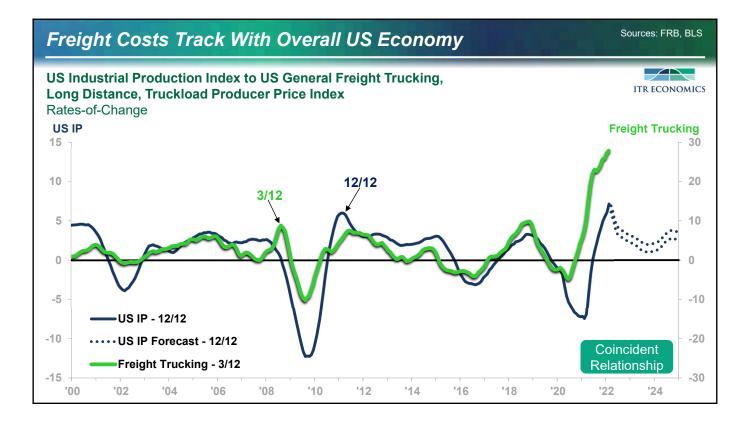
Next Steps

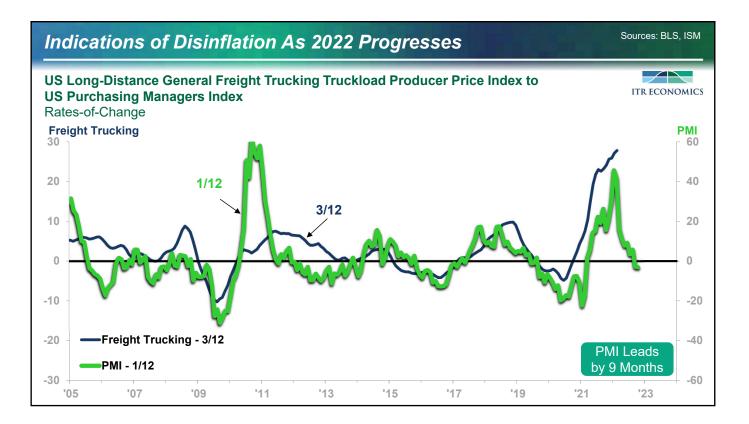
It is time to initiate marketing and sales campaigns that tout your competitive advantages, provide for strong relationships and market share gains during the good times

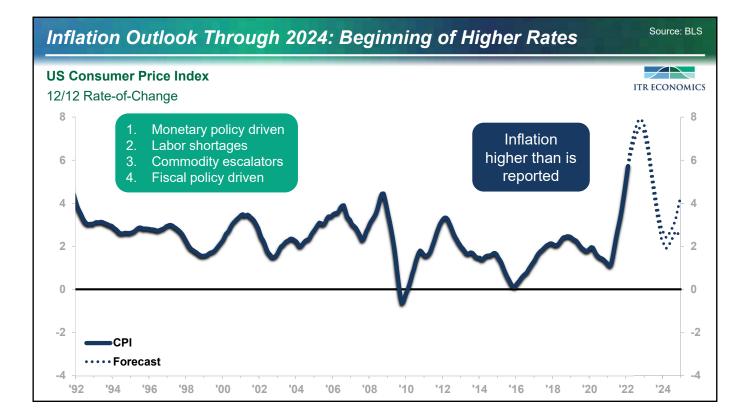










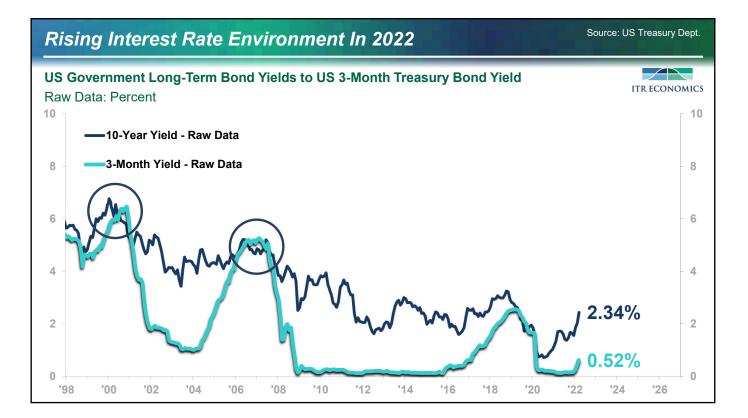


Universal Inflation

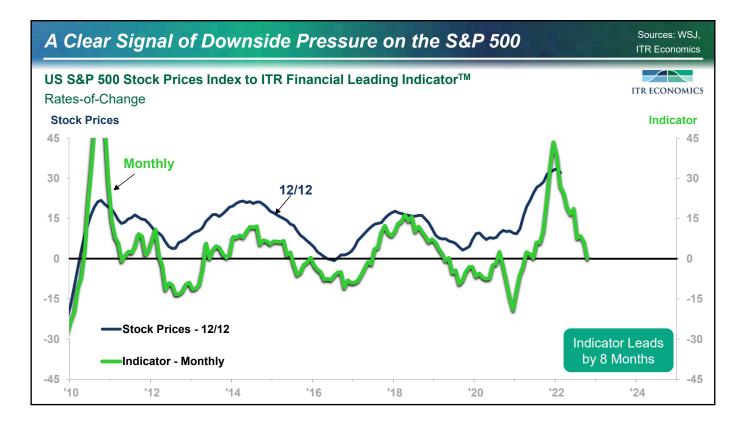
Sources: BLS, Statistics Canada, Mexico National Institute of Statistics & Geography, Brazil National Confederation of Industry, Colombia National Statistics Administrative Department, Argentina National Institute of Statistics & Censuses (INDEC), Eurostat

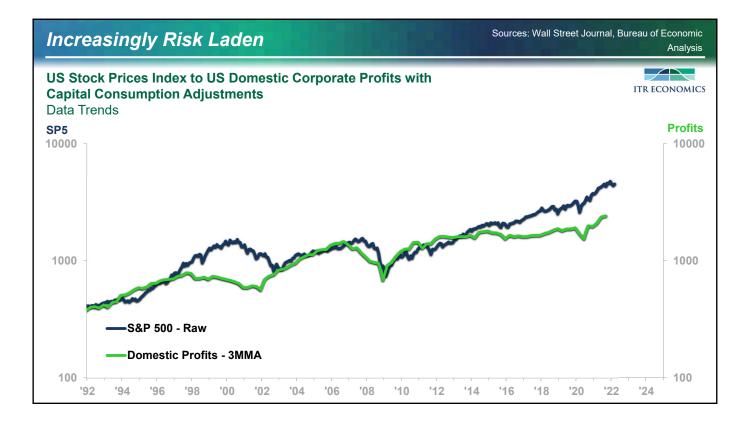
Consumer Price I 1/12 Rates-of-Cha				
	Country	1/12	Phase	
	US	7.9%	В	
	Canada	5.7%	В	
	Mexico	7.1%	В	
	Brazil	10.4%	В	
	Colombia	8.0%	В	
	Argentina	50.7%	В	
	Europe	5.6%	В	
	RECOVERY		RECESSION	

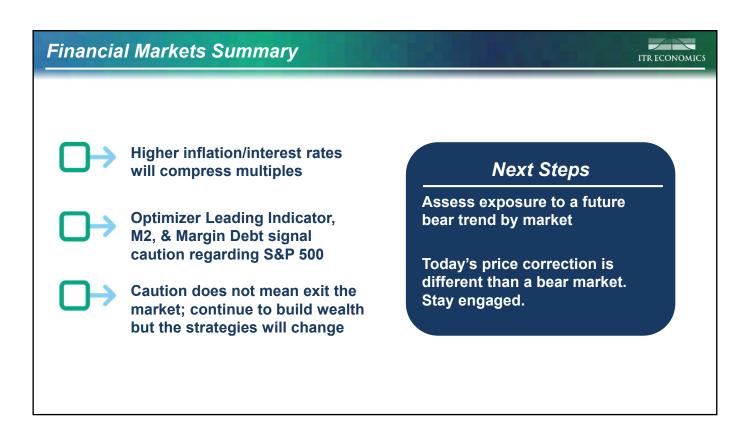




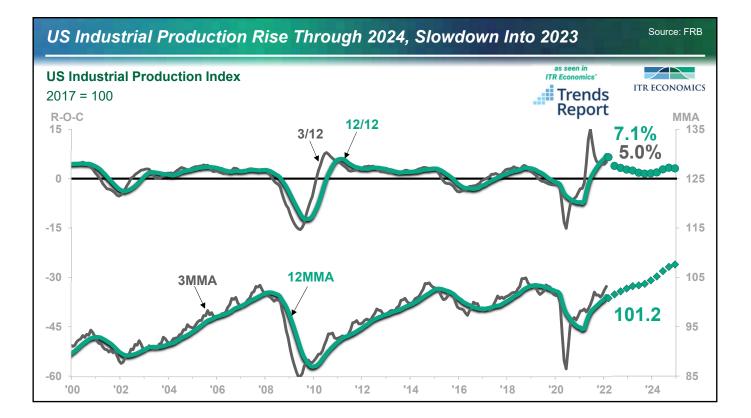
Sign	Signs of a Coming Slow Down in Housing						nsus Bureau
-	-Family Housing Permi ands of Units	ts				ITR	
		12/12	Phase	3/12	Annual Trend	Direction	
	Illinois	11.1%	С	-1.0%	11.0	Down	
	Chicago MSA	23.9%	С	-9.5%	10.1	Down	
	*Aurora	-33.0%	Α	42.8%	61.0	Up	
	*Joliet	-8.2%	D	-54.1%	213.0	Down	
	*Rockford	27.4%	С	0.0%	144.0	Down	
	RECOVERY	ACCELERAT	B	SLOWING GROWTH	RECESSIO	D	

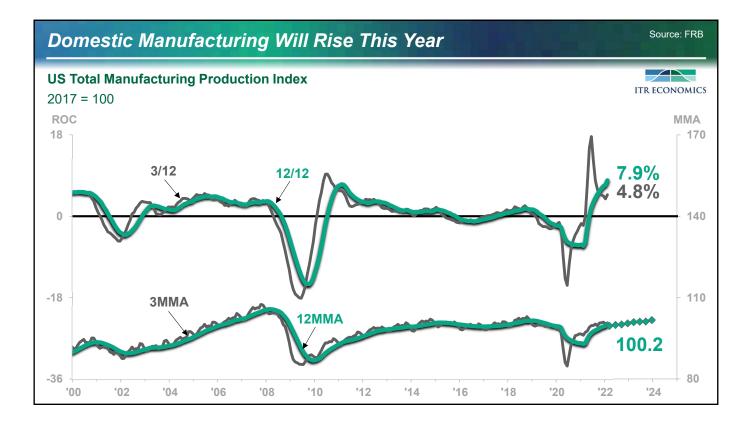


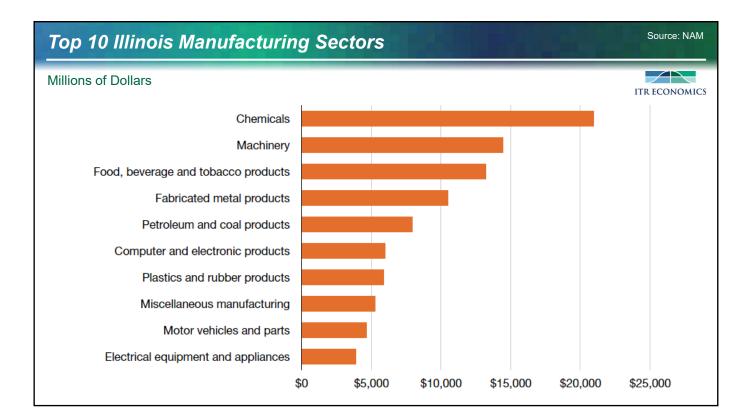


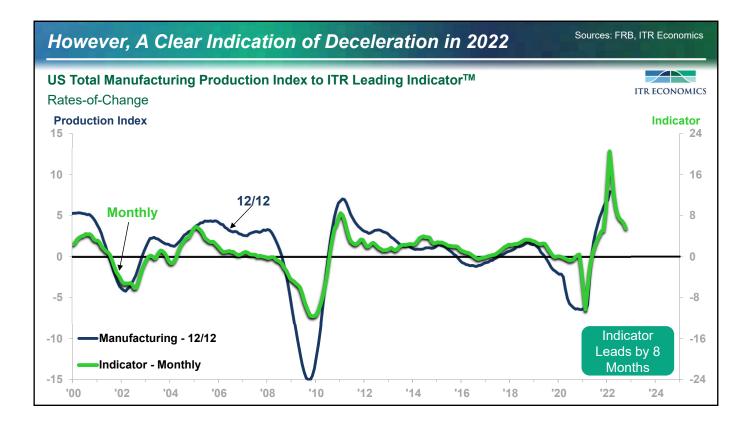




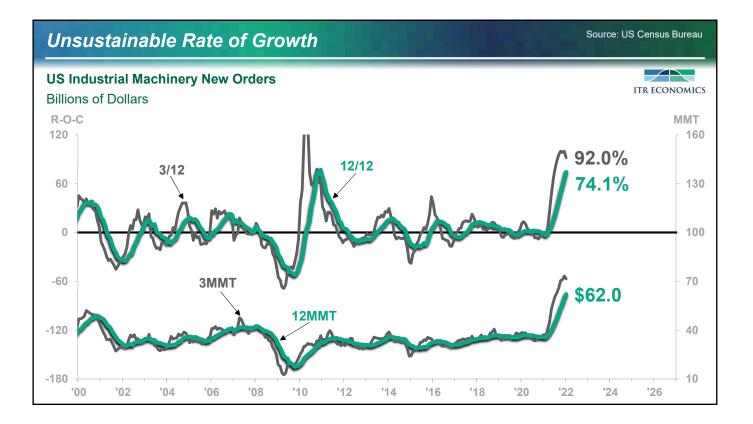


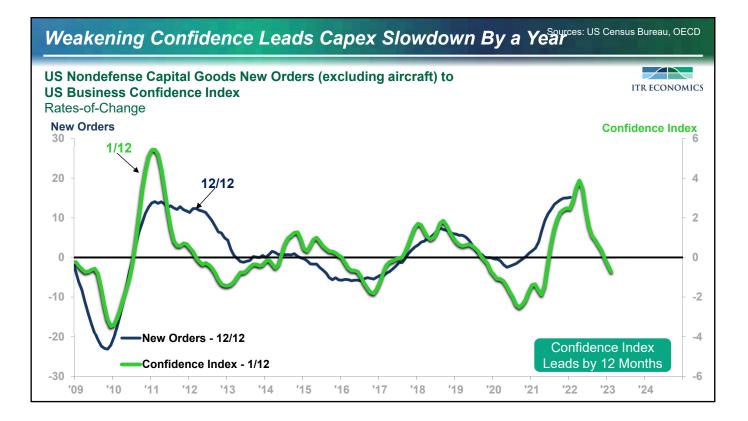




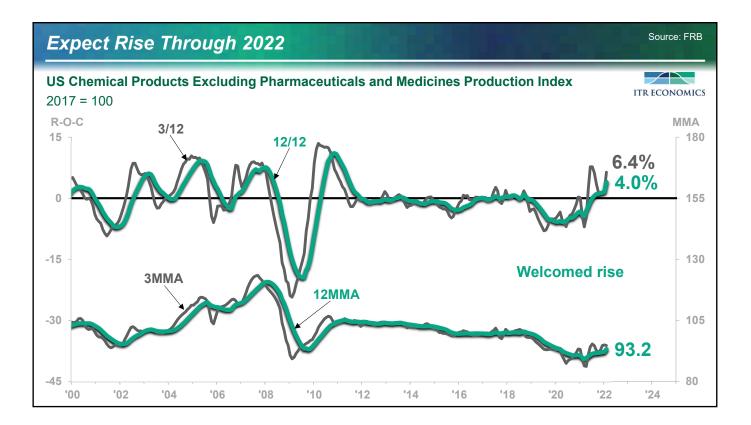


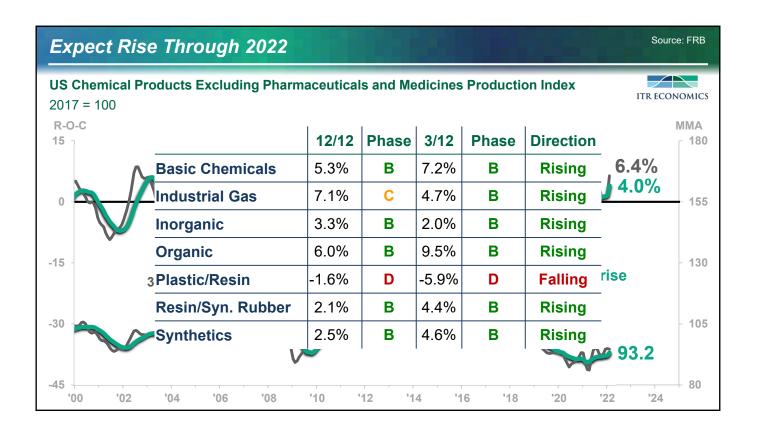


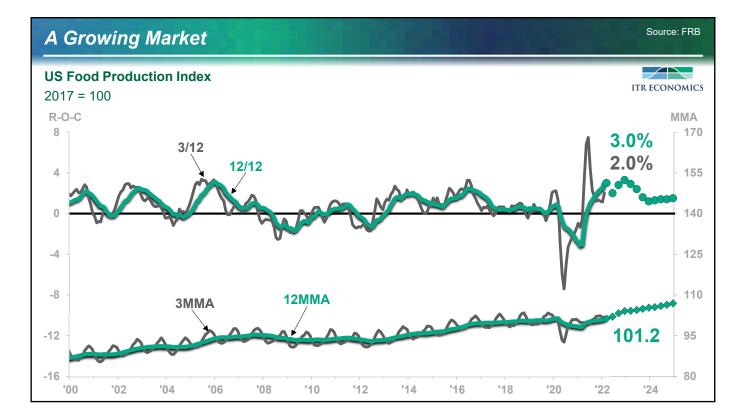


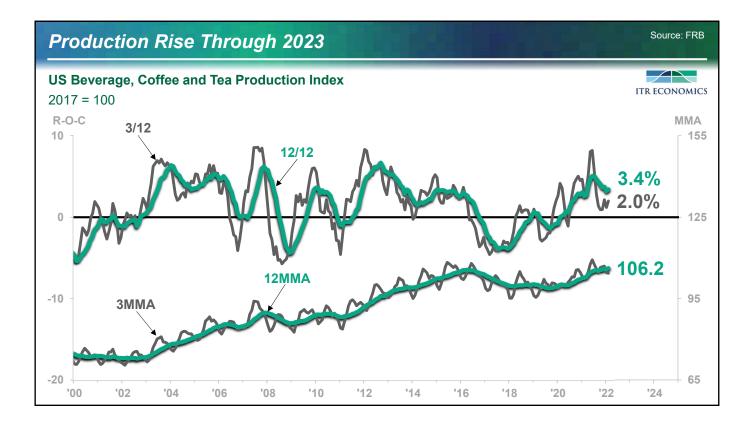


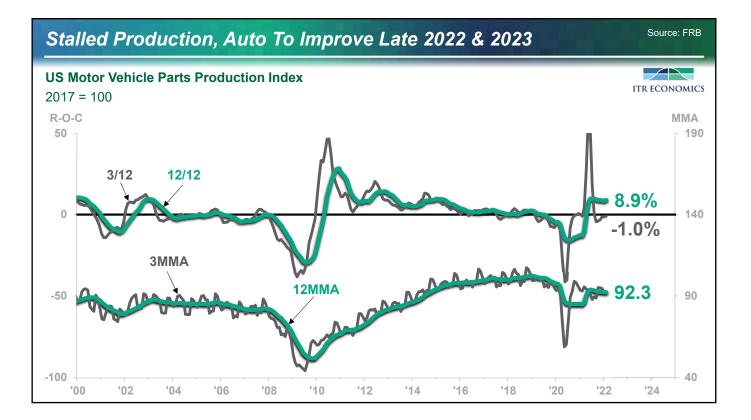












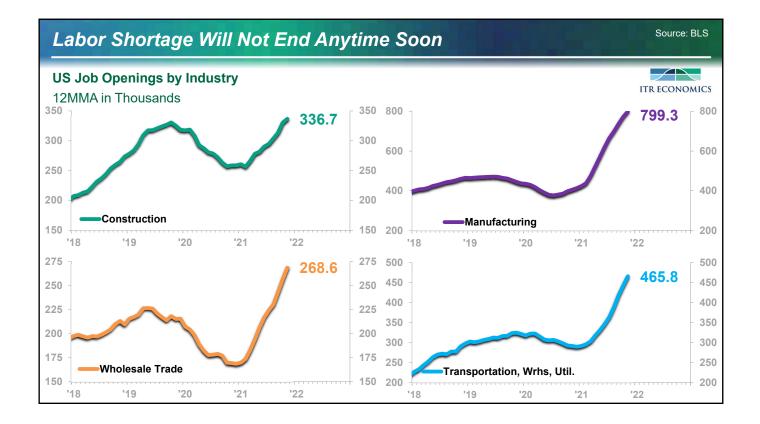
US Industry Segments

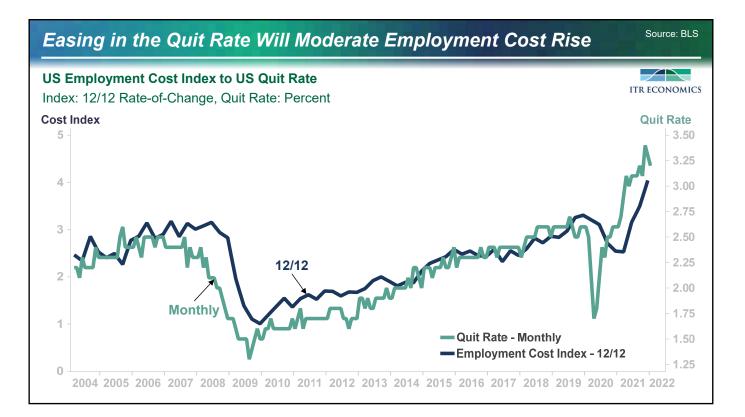
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Sources: FRB, US Census Bureau

	12/12	Phase	3/12	Phase	Notes
Manufacturing (excl. Motor Vehicles)	7.5%	В	5.1%	В	Rise through 2022
Industrial Machinery Production	21.8%	С	13.2%	С	Rise through 2022
Food Production	3.0%	В	2.0%	В	Rise through 2022
Aerospace Products & Parts	16.7%	С	7.0%	С	Rise through 2022
Chemical and Chemical Products	7.3%	В	8.2%	В	Rise through 2022
Pharmaceuticals	12.4%	В	11.0%	С	Rise through 2022
Fabricated Metals	6.1%	В	5.3%	В	Rise through 2022
Computer & Electronics New Orders	6.9%	С	6.6%	В	Rise through 2022
Rubber and Plastics	7.3%	В	3.6%	С	Rise through 2022
Electrical Equipment	7.0%	В	4.0%	В	Rise through 2022
Medical Equipment & Supplies	9.1%	В	5.4%	В	Rise through 2022







The Positive Implications of Younger Workforces					
Available Workforce					
Percent of Total Population		Gen Z	Millennials	Gen X	Boomers
	US	20.8%	21.7%	20.4%	21.3%
	IL	20.8%	21.8%	20.7%	21.1%
	*Champaign	28.1%	24.6%	15.9%	17.8%
	*Chicago	20.9%	22.5%	21.2%	20.4%
	Peoria	20.1%	19.9%	19.9%	22.7%
	Rockford	21.0%	19.7%	20.4%	22.5%
*Metropolitan Statistical Area	Springfield	19.8%	20.0%	20.3%	23.7%
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Illinois Population Growth Rate

Percent Change from Population Estimates 2016 to 2020

City	Growth Rate
Chicago	-1.4%
Aurora	-2.2%
Naperville	0.5%
Joliet	-0.8%
Rockford	-2.1%
Springfield	-2.0%
United States Total	2.0%

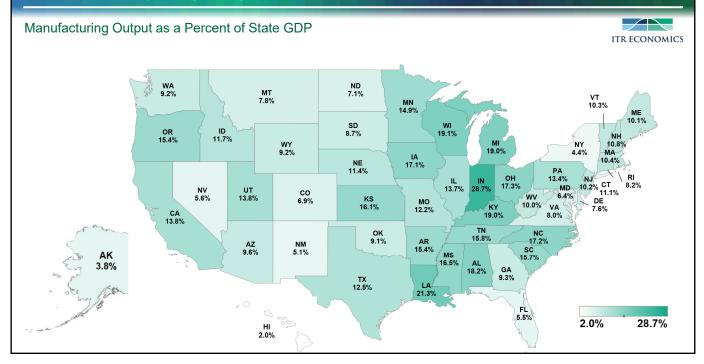
Source: US Census Bureau

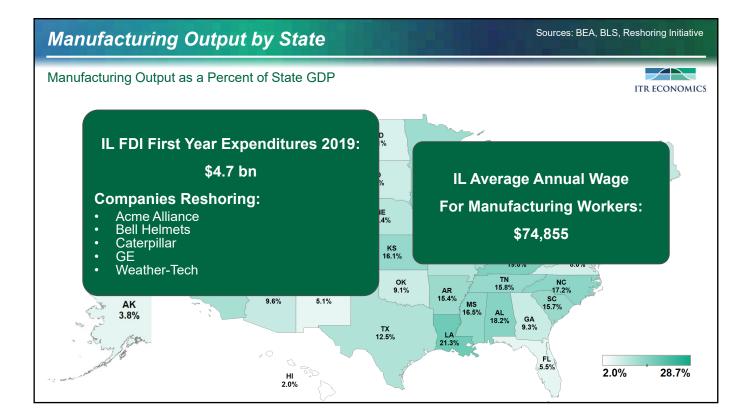
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Manufacturing Output by State

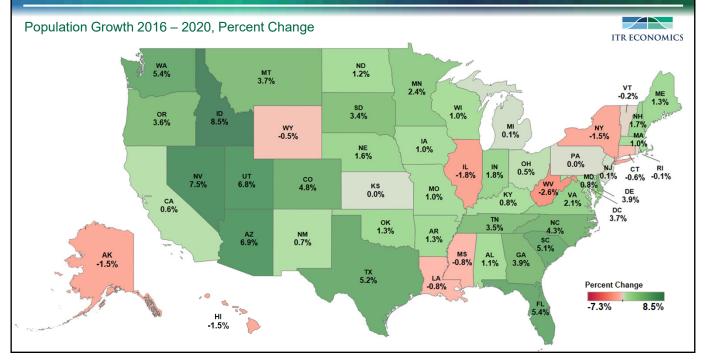






Threshold of Labor Pain Varies by State





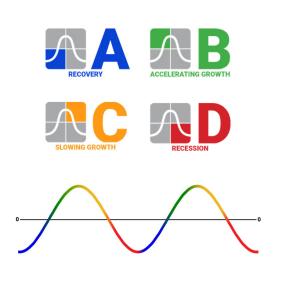


Tips to Remember

slowing growth

Most of 2022 & 1H23 will be Phase C,

- With no recession in the forecast, stay aggressive re: investments, automation
- Pricing pressures are easing, but don't expect "normal pricing"
- Supply chain pressures will ease before labor pressures will abate



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SPEAKER PROFILE



Connor Lokar

Senior Forecaster

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ABOUT CONNOR

Few young economists present their insights with the authority, accuracy, and humor that Connor Lokar brings to the stage. From the intimate executive retreat to the standing roomonly keynote, he delivers practical economic intelligence with charm and candor.

Connor has been giving economic keynotes, workshops, and webinars across North America since he joined ITR Economics in 2014. Using his quick wit and knack for storytelling, he leverages his youthful appearance to upend expectations and successfully captivate and educate audiences. Thousands of business leaders have enjoyed his dynamic approach; Connor emphasizes the applicability of economic intelligence and calls his audience to action.

When not on stage, Connor contributes his economic expertise in the role of trusted advisor, consulting directly with management teams of firms large and small. ITR's clients meet with Connor at critical planning junctures to ensure that their strategic plans, goals, and internal initiatives are in alignment with their tailored forecasts. As ITR Economics' senior forecaster, Connor has a particularly keen understanding of how forecasts are derived. The resulting insights enable clients to make the most of their economic outlooks.

Connor specializes in construction and industrial markets but consults and presents to businesses across all industries, helping them grow revenue and remain profitable through an everchanging business cycle.

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ABOUT ITR ECONOMICS

Founded in 1948, ITR Economics is the oldest privately held, continuously operating economic research and consulting firm in the United States. With a long-term accuracy rating of 94.7%, ITR Economics has forecasted major economic events such as the Great Recession of 2008 years in advance. ITR provides reliable industry and company forecasts tailored to clients' needs. ITR Economics also offers economic webinars, subscription periodicals, consultative reports, and data-collection services.

TESTIMONIALS

"He knows his stuff and presents it well. More important to me, he flexes the conversation and presentation based on who's in the group and where the conversation leads. That is a great asset that seems to flow from him naturally. I wish it were true of more speakers." - Gil Herman, Vistage Chair, Chicago, IL

"Please high five Connor for me - and let him know we look forward to future opportunities to work with him here in Colorado. As you can imagine, it was a risk to opt for the young guy, and he made me look brilliant, as well as hit the mark with our guests. Thank you!" - Mary Medley, CEO, Colorado Society of CPAs, Denver, CO

"Connor was fantastic and we were happy to have him. He was knowledgeable and personable; everybody spoke highly of his presentation!" - Garett Graubins, Bestop





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Our collection of subscriptions, consulting programs, forecast reports, and customized services help businesses worldwide in a variety of ways.

- Understand events impacting business activity
- Resource allocation
- Marketing initiatives
- Sales forecasting

What is your advice to others who might be considering our services?

"Get it started sooner rather than later. [I was] a general manager, president, then group president for almost 20 years before hearing about ITR and starting to use ITR, and it would have made my life a lot easier had I started using ITR sooner." - *Kenneth Brown*

- Benchmark internal success
- Budget setting
- Improve internal forecasting accuracy and ability

How do you measure the value our product provides?

"...people constantly ask me 'what's ITR saying about so-and-so?' Whenever we do a forecast, people want to know how it compares to the data ITR is providing as a reference point. It has taken a few years, but the ITR methodology is now fully integrated into our annual budgeting and our mid-term planning." - *Bill Van Horn*, *FP&A Manager*

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