Welcome to the 2023 Manufacturing Forum









Frank Facchiano COO & EVP Member Relation



B BRAUN SHARING EXPERTISE



Lehigh Valley

ECONOMIC DEVELOPMENT





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Program Ads





Gwen RossDirector of Workforce Development Initiatives



Richard Hobbs CEO



iTEC Announcement and Panel Discussion



Panel discussion:

- Moderator: President & CEO Manufacturers Resource Center, Richard Hobbs
- Morton Rasmussen Corporate VP, Operations HR, B. Braun Medical Inc.
- Ayesha Herrera Director, HR, OraSure Technologies, Inc.
- Karianne Gelinas VP, Regional Partnerships & Talent Strategies, LVEDC
- Matthew Allen Director of Careers & Education, German American Chamber



Shawn Furman Advanced Manufacturing Technology Strategy Manager





Al and HR Trends in Manufacturing





Lehigh Valley
Manufacturing Forum Artificial Intelligence
October 3, 2023





Artificial Intelligence (AI)



Use AI as a Tool!



Artificial
Intelligence is a
tool to compliment
jobs from the front
office to the shop
floor



What AI is and isn't

Science – Computer Science & Statistics





Numbers Cruncher – Analyze lots of data quicker than we can





Magic – won't pull a rabbit out of a hat



Replacement worker...





Generative Al vs. Predictive Al

Generative Al

- Content Creation
 - Text, image, and audio creation
 - Relies on a large dataset as a reference to create content
 - ChatGPT, DALL-E, Chatbots

Predictive the

- Uses data to predict trends or events
- Relies on a large dataset to make accurate predictions
- Rockwell Automation,
 Siemens, Aveva, Andritz

Applying AI to Manufacturing

Content creation



Demand Planning



Operations Improvement





Build your Al Strategy

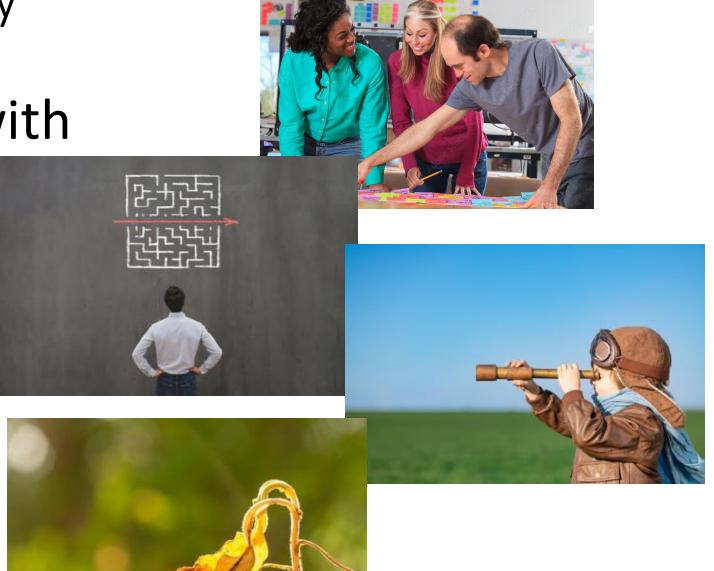
Ideation sessions with

team

Start Simple

Explore Resources

Commit



Ethics and Al

- Content creation is from someone else's original work or ideas
- Don't copy and paste
- Proofread Content
- Validate Data



Questions?

Gina Kormanik Director of Community Planning at Workforce Board Lehigh Valley



Workforce Update



WORKFORCE DATA UPDATE

Greater Lehigh Valley Chamber of Commerce
Manufacturing Forum
October 3, 2023



LEHIGH VALLEY WORKFORCE DATA UPDATE

	Industry (NAICS)	Employment	Employment %	Avg Annual Wages		
1.	Health Care and Social Assistance	59,978	19.0%	\$70,445		
2.	Transportation and Warehousing	38,828	12.3%	\$54,656		
3.	Manufacturing	36,206	11.5%	\$76,696		
4.	Retail Trade	31,578	10.0%	\$35,567		



WORKFORCE DATA DASHBOARD

Economy (LV) ^{1,2}		Uncomplete and Statistics (IV) (August 2022)	Graph	Demographics (LV) ⁹		CIAIIA OCENIA A	ual Averages (2022)		
	42.0	Unemployment Statistics (LV) - (August 2023) Labor Force (in thousands) ⁶		Total Population Est. (2022)	605	Industry (NAICS) ¹²	ual Averages (2022) Employment Em		Annual Wages
	26.4	Employed (in thousands) ⁶	362 348	Lehigh County (in thousands)		62-Health Care and Social Assistance	59,978	19.0%	70,445
Lehigh County			14.4			48-49 Transportation and Warehousing	39,976	19.0%	70,445 54,656
Northampton County	17.5	Unemployed (in thousands) ⁶	14.4	Northampton County (in thousands) Labor Force Participation Rate (2023)	319		36,206	11.5%	
Total Real GDP (SB) - 2021 Graph	26.0		Graph	Labor Force Participation Rate (2023)	02.0%	31-33-Manufacturing	,		76,696
		Unemployment Rates - (Seasonally Adjusted) ⁶			10 Comb	44-45-Retail Trade	31,578	10.0%	35,567
Lehigh County	22.5	Lehigh Valley - (August 2023)	4.0%	Workforce Age (LV) (2022 Q4)	Graph	61-Educational Services	24,733	7.8%	59,107
Northampton County		Month over Month Change	0.7%	14-18			23,500	7.5%	25,855
Year over Year % Change (Real GDP) ^{2,3}	6.3%		3.5%	19-21 22-24		56-Administrative and Waste Services	19,864	6.3%	46,921
		Pennsylvania - (August 2023)		25-34		54-Professional and Technical Services	13,243	4.2%	90,304
Targeted Industry Sectors (LV)		U.S (August 2023)	3.9%				11,553	3.7%	87,556
Health Care & Social Assistance		Metropolitan Statistical Area (MSA) - August 2023)	3.5%	45-54		23-Construction	11,513	3.7%	74,065
Transportation & Warehousing		,	Cranh			81-Other Services, Ex. Public Admin	8,733	2.8%	39,353
Manufacturing		Unemployment Continued Claims ⁷ L	Graph	55-64	1070	92-Public Administration	7,451	2.4%	65,390
Professional & Technical Services		Lehigh County (WE 9/09/23)		65-99	7%	55-Management of Companies and Enterprises	7,177	2.3%	152,119
Finance & Insurance		Northampton County (WE 9/09/23)	1,884			52-Finance and Insurance	7,137	2.3%	93,579
		Total Lehigh Valley (WE 9/09/23)	5,169	Workforce Race (LV) (2022 Q4)		71-Arts, Entertainment, and Recreation	5,356	1.7%	26,076
Employers (LV) - 2022				White Alone	82%	51-Information	3,208	1.0%	75,180
Establishments (in thousands) 3, 4	16.0	Workforce Education Attainment (LV) - (2022 Q4) ¹⁰		Black or African American Alone	11%	53-Real Estate and Rental and Leasing	2,954	0.9%	59,781
Total Employees (in thousands) ⁴	315	Less than high school	12%	American Indian or Alaska Native Alone	1%	22-Utilities	1,288	0.4%	100,739
Avg Employees per Establishment	20	High school or equivalent, no college	24%	Asian Alone	4%	11-Agriculture, Forestry, Fishing & Hunting	N/A	N/A	N/A
Avg Hourly Wage - 2022 Detail	il 27.49	Some college or Associate degree	27%	Native Hawaiian or Other Pacific Islander Alone	0%	21-Mining, Quarrying, and Oil and Gas Extraction	n N/A	N/A	N/A
Year over Year Hourly Wage % Change	6.7%	Bachelor's degree or advanced degree	23%	Two or More Race Groups	2%				
		Educational attainment not available	14%						
Top Occupations by Job Postings (LV) - (A	ug-23)			Hispanic/Latino	17%		WORKFO	RCE	
1.Registered Nurses		Education System (LV) ⁸		Not Hispanic/Latino	83%	VV	BOARD		
2.Retail Salesperson		School Districts (2021-2022)	17			V V	LEHIGH VALLEY		
3.Sales Representative Wholesale/Manuf	facturing	Charter Schools (2021-2022)	12	Female	50.1%				
4.Laborers and Freight, Material Movers		Career and Technical Schools (2021-2022)	3	Male	49.9%	Our mission is to ensure an employer de			
5.First-Line Supervisors of Retail Sales Wor	rkers	Community Colleges / 4-Year Institutes	13			aligned with economic developm	ent, education an	d the communi	ity.
		PreK-12 Student Enrollments (In Thousands) (2021-2022)	Graph 101	Workforce Commuting (2020) 11					
Online Job Postings (LV) - (In thousands) ⁵		High School Graduates (In Thousands) (2020-2021)	Graph 7.2	Commute Out, Live in LV	99,986	Legend:			
Aug-23	13.2	4-Year Graduation Rate % (2020-2021)		Commute In, Live Outside LV	101,646				
Aug-22	17.2	College Bound Students (In Thousands) (2020-2021)	4.8	Work and Live in LV	186,093	~	le Change		
YoY Percentage Change	-23.1%		Graph 67%			No Char	able Change		
	_					₹ Cinaton			



2020-2030 Lehigh Valley Industry Employment Long-Term Projections



www.workstats.dli.pa.gov

		Emplo	yment	Ch	Avg	
NAICS	Industry Title	2020	2030	Level	Percent	Annual Change
31-33	Manufacturing	32,710	33,500	790	2.4%	79
3111	Animal Food Manufacturing	1,010	1,100	90	8.9%	9
337	Furniture & Related Product Mfg.	870	940	70	8.0%	7
3250A1	*Chemical Manufacturing (3251, 3252, 3253, & 3259)	1,690	1,820	130	7.7%	13
325	Chemical Manufacturing	3,050	3,240	190	6.2%	19
3320A1	Fabricated Metal Product Mfg. (3321, 3322, 3325, 3326, & 3329)	1,110	1,170	60	5.4%	6
3327	Machine Shops & Threaded Products	740	780	40	5.4%	4
327	Nonmetallic Mineral Product Mfg.	1,710	1,800	90	5.3%	9
332	Fabricated Metal Product Manufacturing	3,130	3,280	150	4.8%	15
321	Wood Product Manufacturing	670	700	30	4.5%	3
3254	Pharmaceutical & Medicine Manufacturing	970	1,010	40	4.1%	4
3330A1	Machinery Mfg. (3331, 3332, 3334, & 3339)	1,690	1,760	70	4.1%	7
3320A2	Fabricated Metal Product Mfg. (3323 & 3324)	1,020	1,060	40	3.9%	4
333	Machinery Manufacturing	2,050	2,110	60	2.9%	6
312	Beverage & Tobacco Product Manufacturing	2,310	2,360	50	2.2%	5
3121	Beverage Manufacturing	2,310	2,360	50	2.2%	5
339	Miscellaneous Manufacturing	3,660	3,700	40	1.1%	4

INCREASING EMPLOYMENT



2020-2030

pennsylvania DEPARTMENT OF LABOR & INDUSTRY CENTER FOR WORKFORCE INFORMATION & ANALYS

www.workstats.dli.pa.gov

Lehigh Valley Industry Employment Long-Term Projections

		Employ	ment	Ch	ange	Avg
NAICS	Industry Title	2020	2030	Level	Percent	Annual Change
3113	Sugar/Confectionery Product Manufacturing	600	600	0	0.0%	0
3115	Dairy Product Manufacturing	30	30	0	0.0%	0
3116	Animal Slaughtering & Processing	130	130	0	0.0%	0
314	Textile Product Mills	130	130	0	0.0%	0
3159	Accessories & Other Apparel Mfg.	20	20	0	0.0%	0
3212	Veneer & Engineered Wood Products	70	70	0	0.0%	0
322	Paper Manufacturing	1,180	1,180	0	0.0%	0
3222	Converted Paper Product Manufacturing	1,180	1,180	0	0.0%	0
323	Printing & Related Support Activities	580	580	0	0.0%	0
3231	Printing & Related Support Activities	580	580	0	0.0%	0
3333	Commercial & Service Industry Machinery	40	40	0	0.0%	0
3336	Turbine & Power Transmission Equipment	170	170	0	0.0%	0
3344	Semiconductor & Electronic Components	700	700	0	0.0%	0
3351	Electric Lighting Equipment Mfg.	60	60	0	0.0%	0
3359	Other Electrical Equipment & Components	290	290	0	0.0%	0
3369	Other Transportation Equipment Mfg.	10	10	0	0.0%	0



2020-2030 Lehigh Valley Industry Employment Long-Term Projections

	pennsylvania
	DEPARTMENT OF LABOR & INDUSTRY CENTER FOR WORKFORCE INFORMATION & ANALYSI
W	ww.workstats.dli.pa.gov
ment	

		Employ	Employment			Avg
NAICS	Industry Title	2020	2030	Level	Percent	Annual Change
326	Plastics & Rubber Products Manufacturing	2,590	2,530	-60	-2.3%	-6
311	Food Manufacturing	3,160	3,070	-90	-2.8%	-9
3335	Metalworking Machinery Manufacturing	160	150	-10	-6.2%	-1
334	Computer & Electronic Product Mfg.	1,120	1,050	-70	-6.2%	-7
315	Apparel Manufacturing	580	510	-70	-12.1%	-7
3152	Cut & Sew Apparel Manufacturing	560	490	-70	-12.5%	-7

DECREASING EMPLOYMENT

Impact of Automation, Robotics, and Technology



2020-2030 Lehigh Valley Occupational Employment Long-Term Projections – Production Jobs



SOC Code		E	imployment Outl	ook	Annual Demand			
	Occupational Title	Estimated 2020	Projected 2030	Percent Change	Due to Growth	Due to Exits	Due to Transfers	Total Demand
51-0000	Production Occupations	23,110	23,000	-0.5%	-11	868	1,628	2,485
51-7000	Woodworkers	610	680	11.5%	7	24	43	74
51-1000	Supervisors - Production Workers	1,710	1,790	4.7%	9	53	118	180
51-5100	Printing Workers	280	290	3.6%	0	11	20	31
51-4000	Metal Workers & Plastic Workers	4,050	4,160	2.7%	11	132	285	428
51-6000	Textile, Apparel & Furnishings Workers	1,150	1,170	1.7%	2	70	71	143
51-8000	Plant & System Operators	670	670	0.0%	-1	21	45	65
51-9000	Other Production Occupations	7,530	7,480	-0.7%	-5	281	551	827
51-3000	Food Processing Workers	1,320	1,310	-0.8%	0	64	98	162
51-2000	Assemblers & Fabricators	5,790	5,470	-5.5%	-32	212	398	578



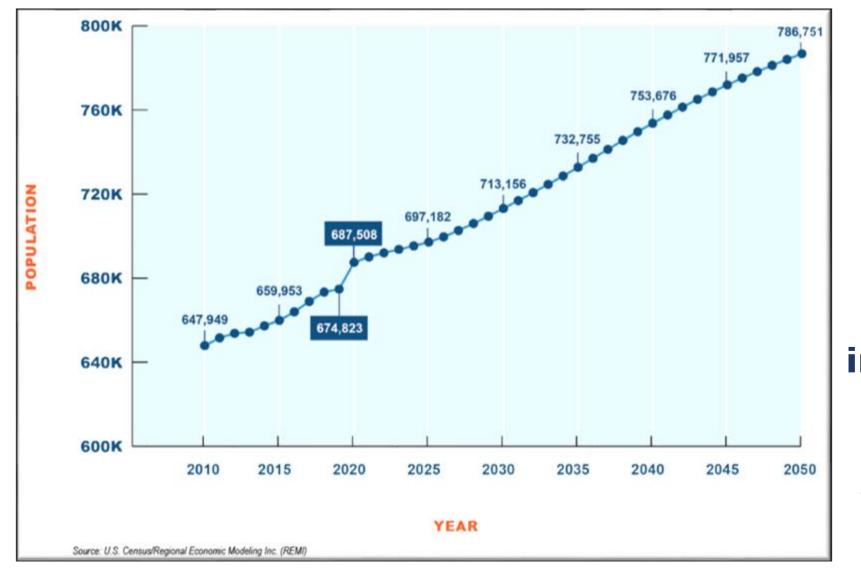
PENNSYLVANIA OCCUPATIONAL WAGES LEHIGH VALLEY WORKFORCE DEVELOPMENT AREA (Published May 2023)





SOC Code	Occupational Title	Educ. Level	Average Hourly Wage (\$)	Average Annual Wage (\$)	Median Annual Wage (\$)	Entry Annual Wage (\$)	Experienced Annual Wage (\$)		Mid Range Annual Wage (\$)	
51-0000	Production Occupations	#	22.83	47,490	45,390	33,010	54,720	36,500	to	56,610
11-3051	Industrial Production Managers	BD+	52.99	110,220	100,890	71,560	129,550	81,390	to	129,930
53-7062	Laborers & Freight, Stock & Material Movers	ST OJT	19.79	41,170	38,720	32,500	45,500	35,860	to	46,230
51-9199	Production Workers, Other	MT OJT	19.50	40,550	38,140	32,410	44,620	34,710	to	43,780
51-9195	Molders, Shapers & Casters	LT OJT	20.94	43,560	39,910	34,830	47,930	37,930	to	48,210
51-9198	HelpersProduction Workers	ST OJT	17.85	37,130	36,690	30,440	40,470	32,970	to	39,020
51-1011	Supervisors - Production & Operating Workers	WK EXP	33.33	69,330	66,340	48,130	79,930	56,020	to	80,610
43-5061	Production, Planning & Expediting Clerks	MT OJT	24.99	51,980	50,220	34,820	60,560	39,150	to	61,260
41-4011	Sales Representatives, Technical & Scientific Products	BD+	50.57	105,190	80,620	49,700	132,940	56,900	to	125,280
41-4012	Sales Representatives	MT OJT	38.31	79,690	70,830	43,240	97,920	49,570	to	98,610
27-1021	Commercial & Industrial Designers	BD	36.53	75,980	78,370	54,720	86,610	61,350	to	89,790
25-1194	Vocational Education Teachers, Postsecondary	BD+	30.49	63,420	56,340	40,070	75,090	44,290	to	71,130
17-3026	Industrial Engineering Technicians	AD	29.57	61,520	53,600	41,070	71,740	45,580	to	70,720
17-2141	Mechanical Engineers	BD	54.43	113,210	102,070	71,030	134,300	78,420	to	138,730
17-2131	Materials Engineers	BD	42.82	89,070	73,880	58,520	104,350	62,290	to	110,980
17-2112	Industrial Engineers	BD	45.98	95,640	90,200	66,000	110,460	76,230	to	109,260
17-2071	Electrical Engineers	BD	53.29	110,850	102,590	71,100	130,730	80,340	to	133,500

Lehigh Valley Population Projections 2010 - 2050



By 2050 population will grow by nearly 100,000

In 2020 population increased by 11,000

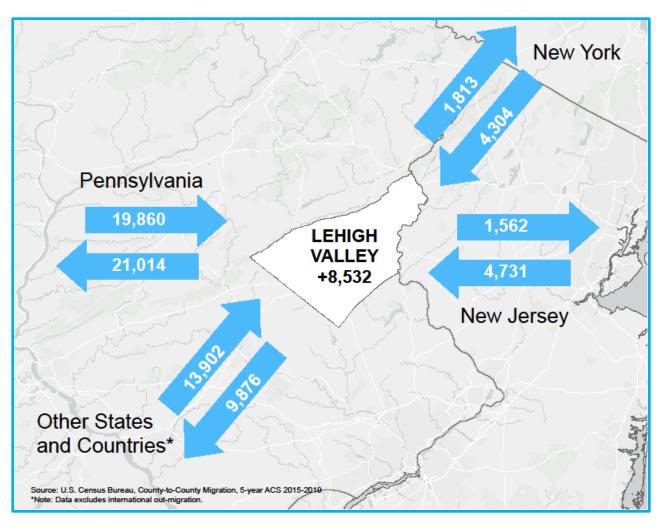
Source: Lehigh Valley Planning Commission

Population Growth - Migration

Representative of a single year (e.g. 2017)

Most people are coming from

- 1. Other countries
- 2. Other States
- 3. Specifically NJ/NY

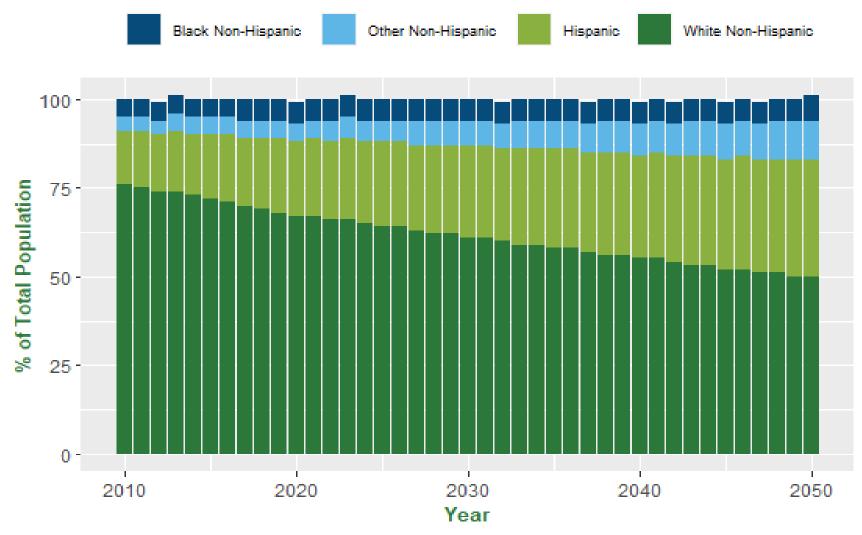


Source:

Lehigh Valley Planning Commission

Lehigh Valley Race/Ethnicity Composition

2010 - 2050



- % of Hispanics rose from 15% to 21% in the last ten years.
- Projected to rise to a third of total population by 2050.
- By 2050, White Non-Hispanics will become a minority, going from 67% in 2020 to less than 50% in 2050.

Source: U.S. Census / Regional Economic Modeling Inc. (REMI)

Source: Lehigh Valley Planning Commission

WE ARE THE WORKFORCE SYSTEM!



GetWORKERS

EMPLOYERS

- * Intermediary Services
- * Workforce Intelligence
- * Human Resources
- * Recruiting/Screening
- * Candidate Referrals
- * Specialized Job Fairs
- * Interviewing Space

- * Training Resources
- * Community Connections
- * Sector Strategies
- * Apprenticeships
- * Work Experience
- * Rapid Response Services

GetWORK

JOB SEEKERS

- * Workforce Resource Center
- * Introduction to Services
- * Computer/Internet Access
- * Resumes/Job Applications
- * Job Search Navigators
- * Job & Labor Market Data
- * Job Recruiters & Job Leads
- * Community Partner Services
- * Education & Training Options

- Recruitment/Job Fairs
- * Individualized Help
- Veteran's Services
- Career Exploration



Need Help? Scan or call

610-437-5627

WE ARE THE JOB MATCHMAKERSI



Gina Kormanik
Workforce Board Lehigh Valley
610-841-1006
Gkormanik@workforcelv.org

Don Cunningham CEO Lehigh Valley

ECONOMIC DEVELOPMENT

Manufacturing Success and Trends in the Lehigh Valley

Lehigh Valley

ECONOMIC DEVELOPMENT



Lehigh Valley: A Manufacturing Hub



Top 15%

of U.S. Manufacturing Markets

GDP by Industry Sector



ECONOMIC DEVELOPMENT

\$8.4B

Manufacturing

\$6.9B

Health Care & Education

\$3.7B

Wholesale Trade

\$3B

Information

\$8.1B

Finance, Insurance & Real Estate

\$5.9B

Professional & Business
Services

\$3B

Retail Trade

\$2.7B

Transportation

GDP by Manufacturing



ECONOMIC DEVELOPMENT

18%

of Lehigh Valley's Private Output

12%

of U.S. Private Output

Lehigh Valley Manufacturing



750

Manufacturers

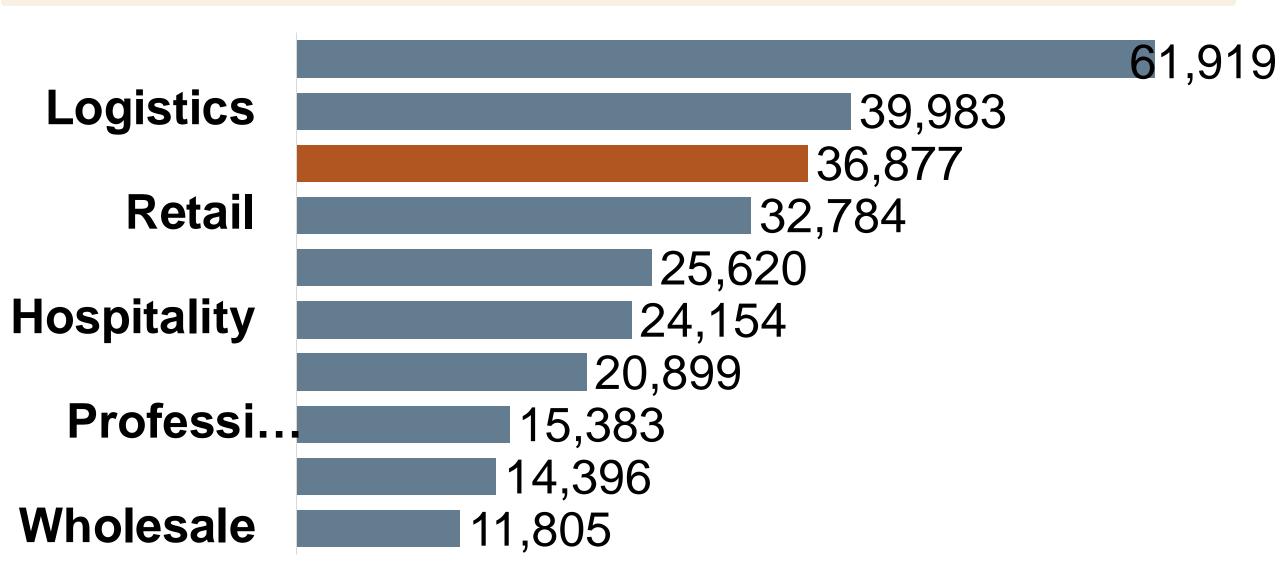
Lehigh Valley Manufacturing



37,00 Lehigh Valley Manufacturing Jobs

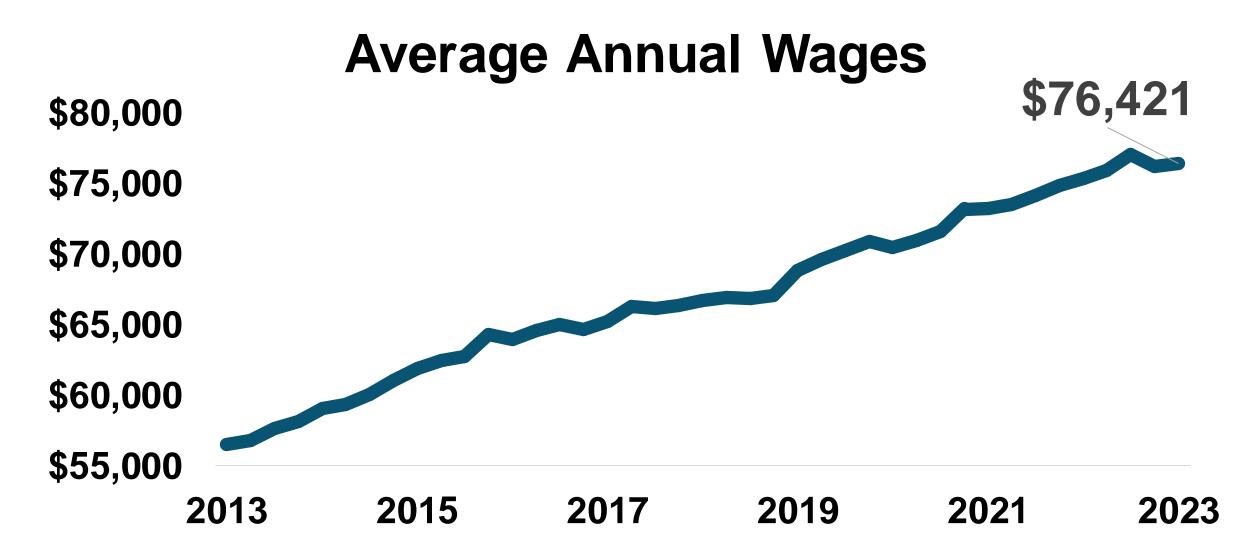
Employment by Industry





Manufacturing Wages Over Time





Why Do Manufacturers Come Here?



ECONOMIC DEVELOPMENT

Access to population

Access to markets

Skilled workforce

Existing educational pipeline

Manufacturing heritage



What Do We Make Here?

Lehigh Valley

ECONOMIC DEVELOPMENT











Advanced Manufacturing



Contributes \$4.7 Billion to Manufacturing GDP













Food & Beverage Production



6,800 Jobs, Largest Manufacturing Employment Sector













BOSTON BEER co.







Life Science Manufacturing



6,700 Jobs at 170 Lehigh Valley Locations













Tech Manufacturing



1,500 Jobs; Annual Wages 2X the Lehigh Valley Average











Metal & Mineral Product Manufacturing



3,500 Jobs; Employment 2X the Typical U.S. Region











Chemical Manufacturing



3,500 Jobs; Contributes \$2 Billion to Manufacturing GDP











Consumer Product Manufacturing



4,800 Jobs, Employment 3X the Typical U.S. Region













Building Supplies Manufacturing



1,800 Jobs, \$62,000 Average Annual Wages



TECHO—BLOC

MillerKnoll

Defense Contract Manufacturers



Companies Supporting U.S. Military & National Defense











Development Projects 2018-2022



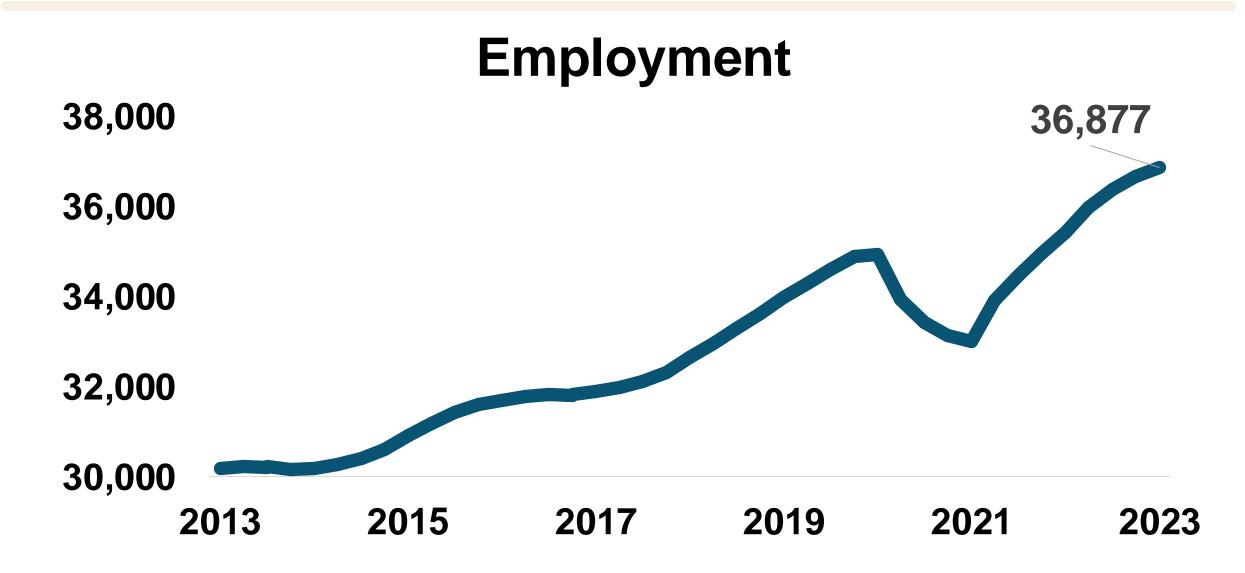
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Manufacturing Projects

Source: LVEDC Research

Manufacturing Jobs Increasing





B. Braun Medical

Lehigh Valley

ECONOMIC DEVELOPMENT

Hanover Township

Medical device manufacturer

310,000 SF

200 new jobs

\$200 million investment



Source: Published Reports

iDeal Semiconductor



ECONOMIC DEVELOPMENT

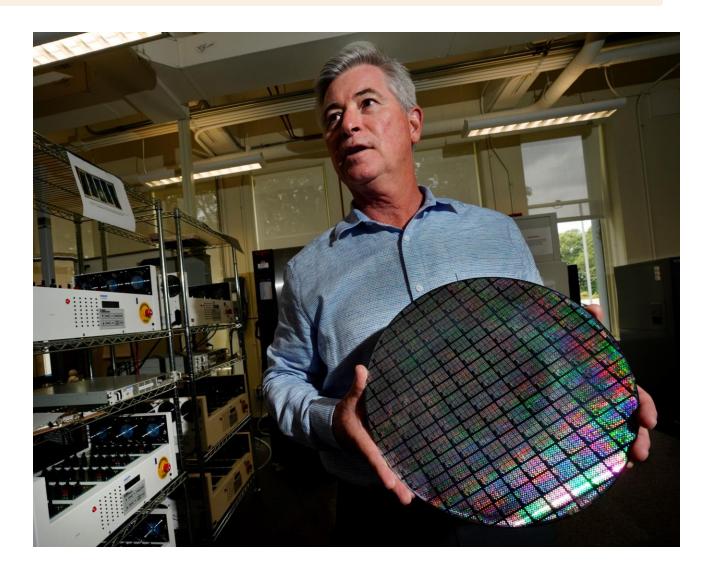
Bethlehem City

Semiconductor R&D facility

15,000 SF

63 new jobs

\$3.4 million investment



Source: Published Reports

Travaglini

Lehigh Valley

ECONOMIC DEVELOPMENT

Allentown City
Italian food processing
equipment manufacturer
6,000 SF
7 new jobs



Source: Published Reports

Easy Signs

Lehigh Valley

ECONOMIC DEVELOPMENT

Upper Macungie Township

Australian Manufacturer

72,000 SF

130 new jobs

3 million investment



Source: Published Reports

Foreign Direct Investment - 2022



40%

2 Mil

80

of Prospects
were
international
companies

SF developed by international companies

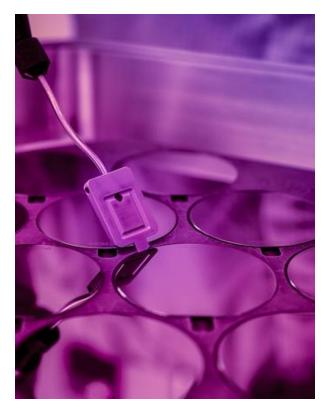
International companies in Lehigh Valley

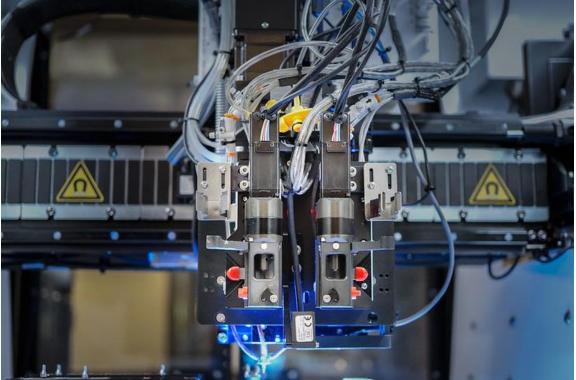
Lehigh Valley Tech Hub



Applied to be named as 1 of 20 regional

Technology & Innovation Hubs in the U.S.A.







Fall Signature Event



Lehigh Valley's Technology Sector Yesterday, Today and Tomorrow

November 8th

4:00 PM - 6:00 PM

Iacocca Hall
Lehigh University Mountaintop Campus



Lehigh Valley

ECONOMIC DEVELOPMENT

Lin Erickson Director & CEO



A 21st Century Science Center

Da Vinci Science Center Video

Emily Gunther Managing Principal



2023 Manufacturing Tax and Efficiency Insights



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National and International Reach

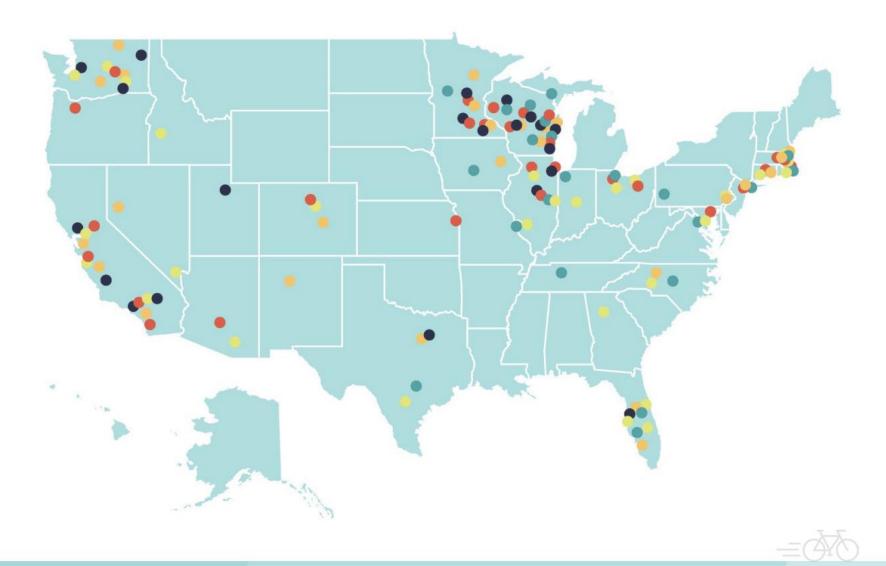
8,500+

130 NEARLY 130 U.S. LOCATIONS

AN INDEPENDENT NETWORK MEMBER OF

CLA Global

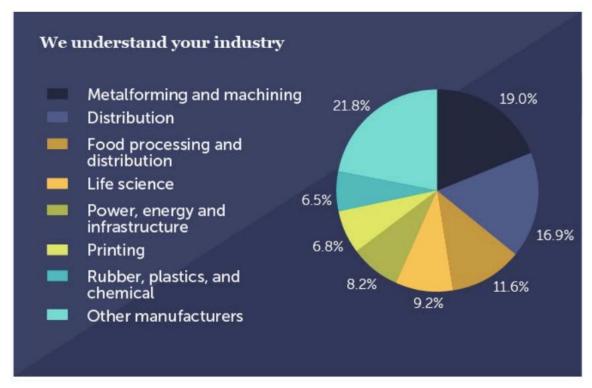
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We Know Manufacturing





MANUFACTURING AND DISTRIBUTION IS A FOCUS AT CLA





Tax Credits - 2023-2024 Tax Year

For hiring and employees

Employee Retention Tax Credit

WOTC (Work Opportunity Tax Credit)

OJT/Apprenticeships

PA New Jobs **Creation - EDGE**





Tax Credits - 2023-2024 Tax Year

Operational incentives

R&D Tax Credits

ESG Credits

Energy Efficiency – 179D Cost Segregation Studies





Tax Credits – 2023-2024 Tax Year

Global Tax Incentives and Planning

Things to consider if you are doing business globally

- Managing the tax implications of global expansion
- Understanding the tax impact of foreign investment
- Dealing with repatriation of foreign earnings
- Avoiding double taxation and taking advantage of foreign tax credits
- Developing tax-compliant transfer pricing policies
- Reducing the value-added tax (VAT)
- Availing FDII (deduction for exporting products outside of the USA)





Looking Ahead

Leveraging your data through Al – Digital Transformation

> Supply chain efficiencies

Distribution streamlining

Shop floor efficiencies

Streamline your back-office and financial functions to mitigate profit-leak







Emily Gunther, CPA
Managing Principal

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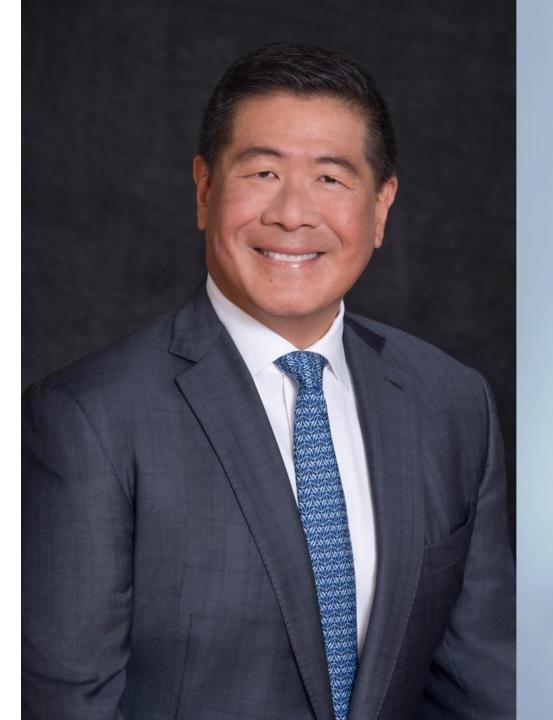
Dr. Stephen Tang Former President and CEO



OraSure Technologies, Inc.

"The Next Normal" Winning Strategies for Manufacturers

"Next Normal" Winning Strategies for Manufacturers



A TEST FOR OUR TIME

Crisis Leadership in the Next Normal



STEPHEN S. TANG









This whole Ever Given situation is great meme material.









10:29 PM · Mar 25, 2021 · Twitter for Android

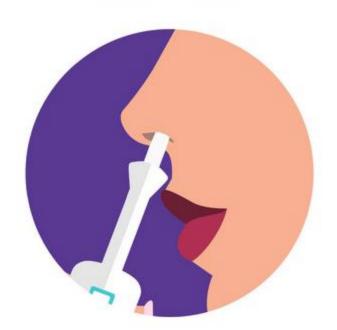




SWAB.



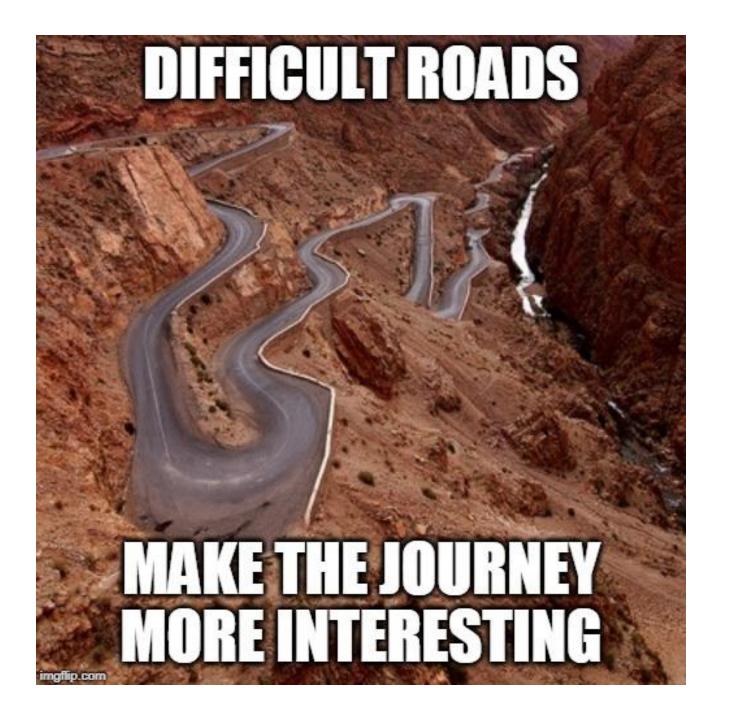
SEE.











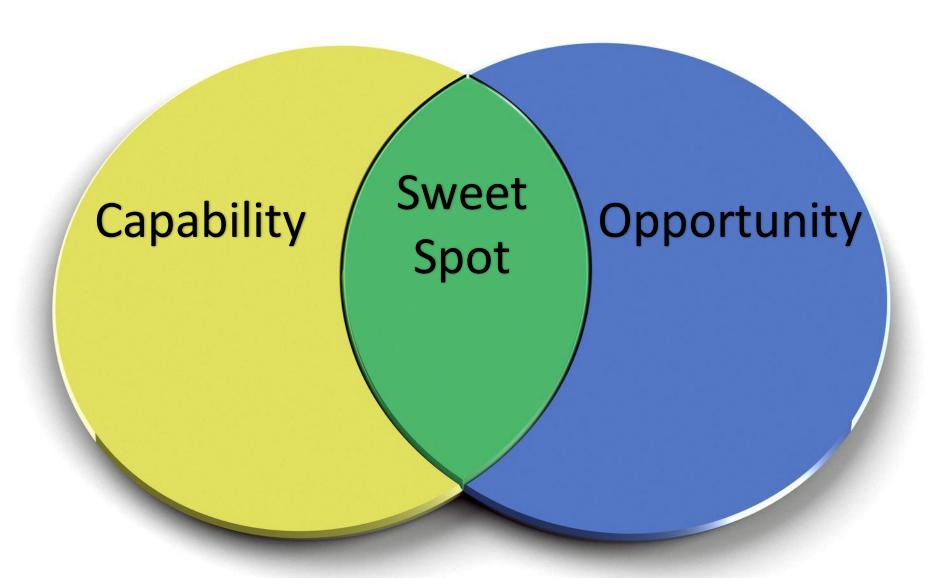


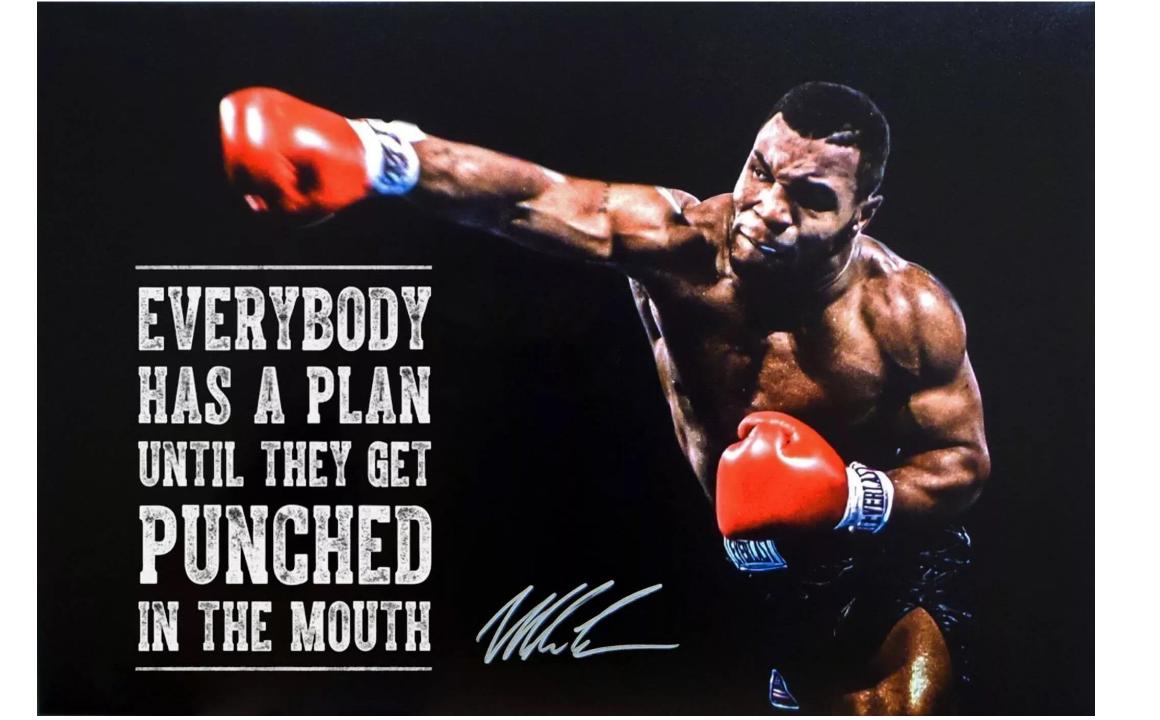




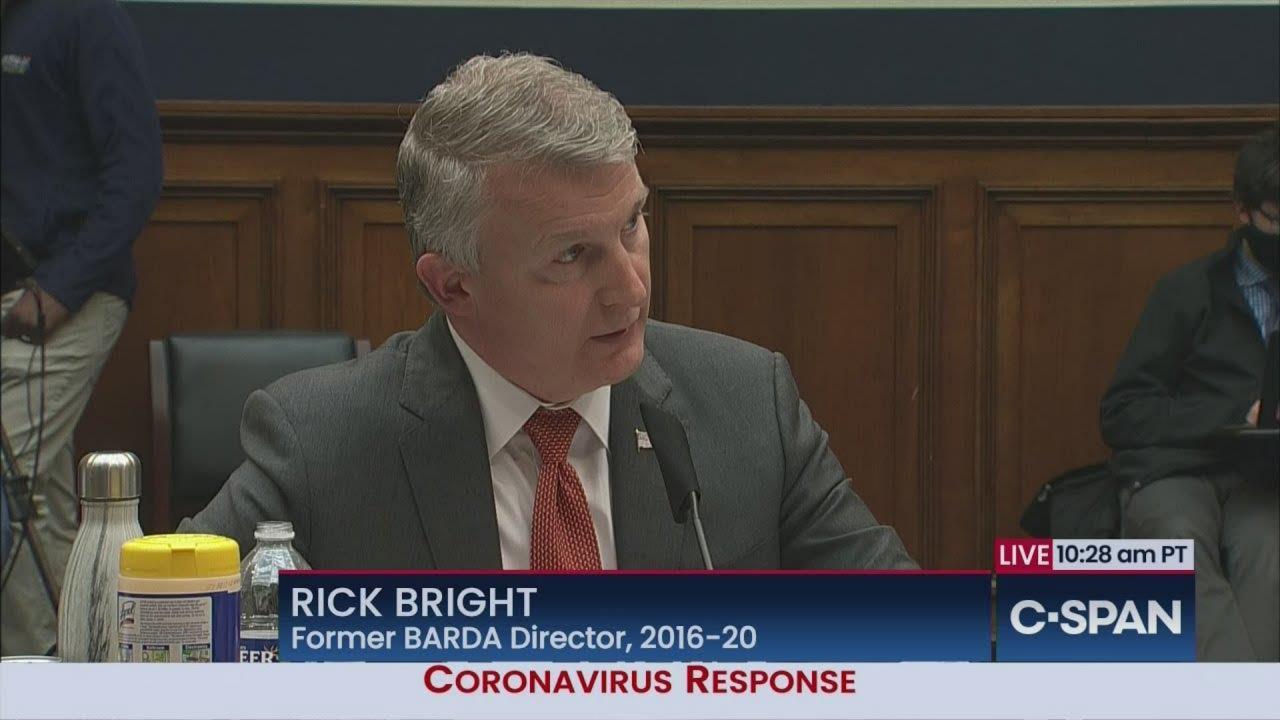
Occam's Razor The simplest explanation is usually the correct one.

Strategy







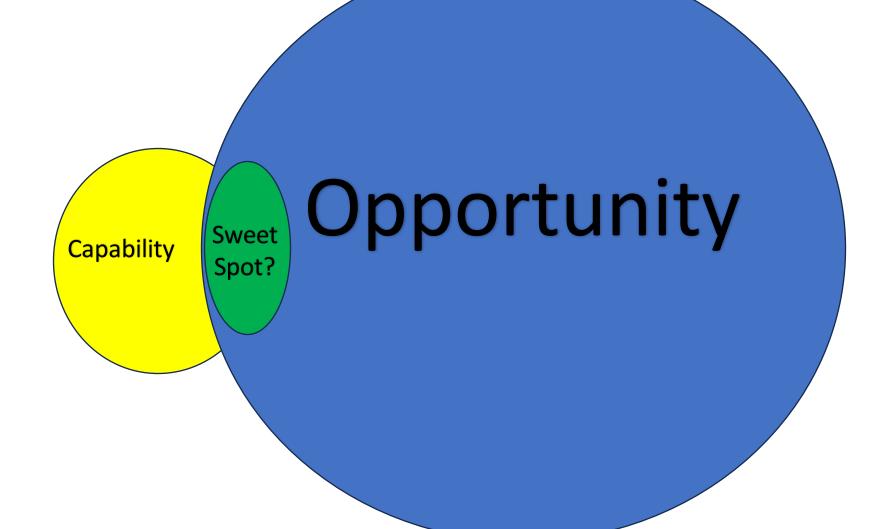








OraSure's Reality







Oprah Daily Rates InteliSwab as the "Easiest Home COVID Test to Use."



Required Leadership Skills

Visionary **Empathetic Relationship Builder Adaptable Foster Teamwork Translator** ...like Pastors and Ancient Dragomen







LEHIGH UNIVERSITY







LEHIGH





"A must read." —Bill and Melinda Gates The Power of Knowing What You Don't Know THINK A GALIN ADAM GRANT #1 New York Times bestselling author of ORIGINALS





available at amazon

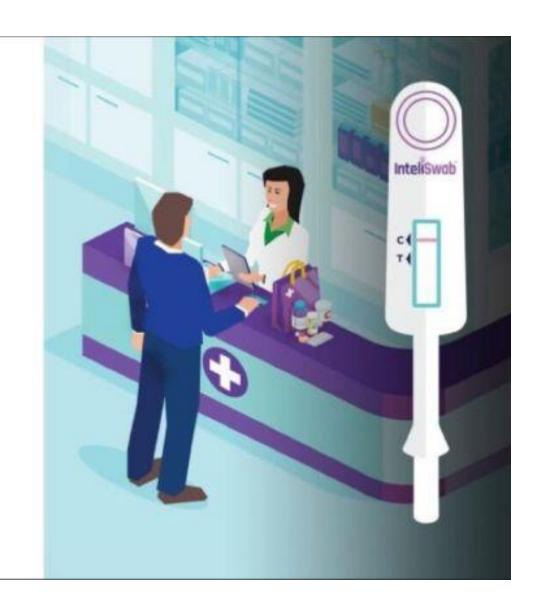




#1 STANDOUT PRODUCT out of 2227 products reviewed by HRG*

See what makes InteliSwab oustanding

* Future 50 annual ranking, published in Drug Store News







Tweet



Thanks for this, Nina. Exactly how I feel.



A plea from a touring professional:

If you want to come to a show. Please get vaccinated. If you have a reason to not get vaccinated, don't come to a show. We are begging you. All of us were out of work for 18 months. Now we wake up every day on the road and get our noses swabbed, wear masks, stay away from everyone on our days off to keep YOU safe. It is just a concert to you, but do you understand that there are at least 30 people behind the scenes who are risking their well being because they love live music as much as you do? One single person that tests positive on our crew cancels everything. Your joyful Friday night is our livelihood, and tomorrow is not guaranteed. Last weekend in Michigan I had at least ten people come up to my face and yell at me "YOU DONT NEED THAT MASK!". Guess what? If I get covid, you will not see the show. For the love of god, think about that. The unemployment ran out. We have no Union. Nothing, If shows stop again, you will never see them again.



5:23 PM · 8/14/21 · Twitter for iPhone

196 Retweets 11 Quote Tweets 937 Likes









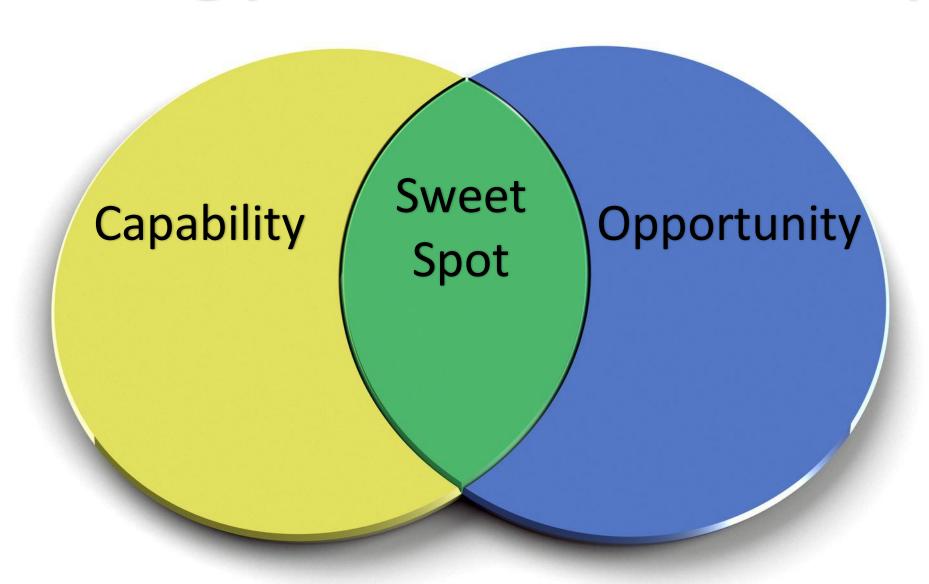
OraSure's Pandemic Transformation

- \$600,000 BARDA innovation grant → \$600 million InteliSwab orders
- Manufacturing capacity increased by 6X
- 400 employees → 1,000 employees
- More FDA-authorized products launches than in the previous 20 years
- Record topline revenue in 2021, 2022, and 2023

Trust = Credibility x Intimacy Risk



Strategy, Trust, and Hope



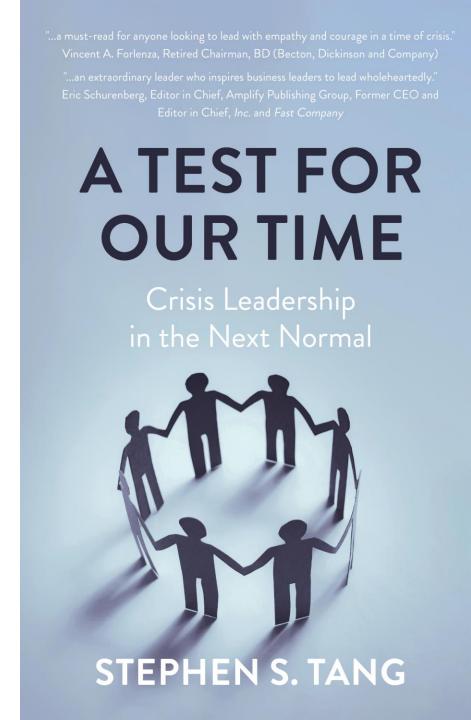


My Manifesto:

Lead Whole People Wholeheartedly

Learn more about:

- Crisis Leadership
- Next Normal
- Leading in the Hybrid Workplace
- Wholehearted Leadership



Connect with me on LinkedIn.

Visit my website at www.tang.ceo.

Congresswoman Susan Wild



Congressional Update

Congresswoman Wild Video

Paige Nicholas Vice President, Major Events



Prize Time!



OVERNIGHT STAY, DINNER FOR 2 IN THE CHOPHOUSE AND A COUPLES SPA EXPERIENCE AT THE WIND CREEK BETHLEHEM!

Diane Lewis VP Manufacturing Solutions & Center Operations



Kitchen Magic Video

2023 Manufacturer of the Year



KITCHEN REMODELING EXPERTS

Manager of Continuous Improvement and Compliance – James Mayers



ANNUAL MEETING ANNUAL MEETING

THURSDAY, NOVEMBER 9, 2023
WIND CREEK EVENT CENTER

Thank you for Attending 2023 Manufacturing Forum







ECONOMIC DEVELOPMENT