







Teijin Automotive Technologies specializes in the development and production of advanced composites and components – including those made from thermosets, thermoplastics, glass and carbon fiber – for the global automotive and transportation industries and is an integral piece of the Teijin Group of companies

- Headquartered in Auburn Hills, Mich.
- 26 operations in 7 countries on 2 continents
- 5,400 employees
- More than 100 years of materials experience
- > \$1 billion in annual sales
- Booked business with nearly every global OEM
- Vertically integrated design to color topcoat to inline sequencing

Corporate Profile: Teijin Automotive Technologies North America Product Profile Samples











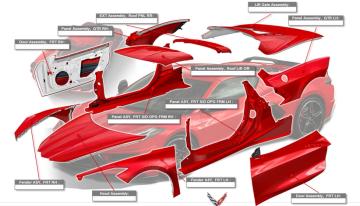


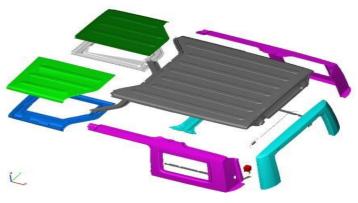


A **PACCAR** COMPANY













HR Profile

- 200 Fulltime Team
 Members
 - 115 Direct, 55
 Indirect, 30 Salary
 - Avg. Service Time 14
 Years
 - 35% of overall workforce has ≥ 20 years of service time

Capabilities / Mfg. Process

- 15 Compression Molding Machines
 175T 2500T
- 7 Injection Molding Machines 450T-2650T
- 6 Punch Presses
- 2 LFTD Machines
- 1 GMT Line
- Waterjet Cutting (2)
- Robotic Drilling
- 4 Robotic Automation Lines

Facility Profile Lenoir, NC

The manufacturing plant located in Lenoir, North Carolina. The 122,467 sq. ft. facility located on 20 acres was originally commissioned 1981.





















CATERPILLAR®













To provide a sound basis for sustainable processes within our facility, we maintain IATF 16949:2016 and ISO 9001 certifications and standards.

We acknowledge that all interested parties, stakeholders, and our suppliers are an integral part of meeting our customer needs and expectations. Only through continually improving our stakeholder and customer-supplier relationships we can expect to maintain the success that we have experienced so far. Senior Management (Plant and Corporate level) review and analyze key aspects of our business environment on a regular basis to develop strategic direction for the coming years.

This involves: Identifying "interested parties" who receive our Products and Services, or who may be impacted by them, or those parties who may otherwise have a significant interest in Teijin Automotive Technologies. These parties are identified in the following matrix:

Benefits of maintaining these certifications include:

- The ability to consistently provide products and services that meet or exceed our current and future customer needs and applicable statutory and regulatory requirements.
- facilitating opportunities to enhance customer satisfaction.
- addressing risks and opportunities associated with our organizational context and objectives.
- the ability to demonstrate conformity to all relevant management systems manual requirements.

Management Systems

IATF 16949:2016 and ISO 9001 Certifications

QMS Requires	Interested Parties (Stakeholders)	Deliverables
Business Plan Return on Investment Governance Decision & Support	Shareholders Teijin Board	Business Plan Financial Statements Return on Investment Growth & Value
Produce Products & Services Follow policies & Procedures	Employees / Unions	Good Work Environment Training / Job Security Health & Safety Promotion, Recognition, Reward and Follows contract agreements.
Requirement Specifications Expectations	Customers	Quality Products on Time to Specifications Accountability, Transparency in Terms and Good Communication
Quality Products To Specification / On Time Fair Value	Suppliers	Requirements Specifications Expectations
HS&E Reporting Permitting Federal, State & Local Reporting	Governmental Agencies	Expectations Compliance to Regulations & Laws
Regulatory Compliance, Infrastructure, HS&E, Cooperation to Achieve the Communities' Environmental Goals. Expect Socially Acceptable Performance, Honesty and Integrity.	Community	Safe Clean Environment Stability Regulatory Compliance Human Rights Reactions to Threats (CEAP)



Ideal Culture – People Centric, Align to Winning

Visibility of People, Processes & Key Metrics

- Flipping the Organizational Pyramid: 'Row the Boat'
- Making people visible
- Hard on the process standards
- Supporting & Coaching the Impact Make or 'Execution' Players







80% execute, 15% Governance, 5% Vision



5% Make, 80% Wait, 15% Watch







CI Committee Member CI Committee Member Shane Beach Tracy Martin CI Committee Member Randy Dula

Members of our CI Committee (with our management team and others) participate in a Kaizen event. A clean to inspect mentality is practiced and work place organization is maintained and governed through the operator KPA boards located in the workcells.

People Centric Leadership

CI Committee

The CI team also consists of a CI Committee made up of Tier 1 and Tier 2 level employees. This team is integral in implementing CI efforts on our production floor. CI Committee members participate in our DOR walk as well as our action tag register meetings. Our committee also serves as a voice for our Tier 1 level production team.



ACTION Tags										
Date:			Tagged by:							
Equipmen		Requ	red for M\	Plog						
Location:										
		Select a	ll that apply	1						
Quality	Finish	ed Goods	WIP	Raw Material						
Tools	N	lold	Speed	Equipment						
Electrical	Med	hanical	Waste	Environmental						
Cost Save	Оре	ration	Uptime	Standard Work						
Obsolete	Need	s Repair	Other	Unknown Owner						
Please provide summary below Turn in completed tags at DOR board										

Driving Continuous Improvement - ACTION TAG BOARD

Action tags are available to every employee and were created in order to drive Continuous Improvement and seek process improvements





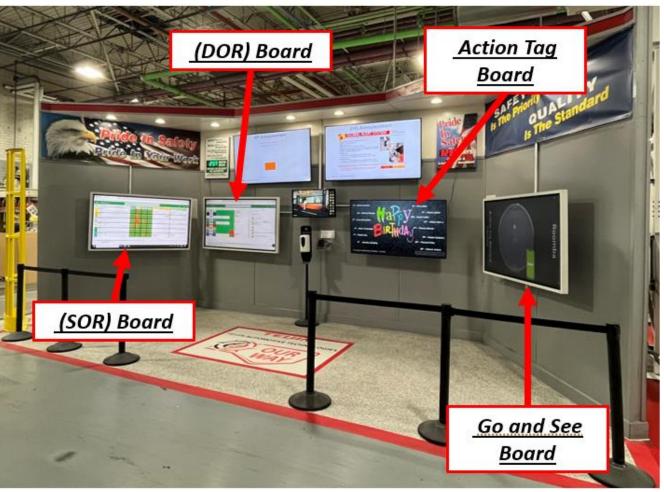
Winning or Losing < 10 Seconds

Effective Visual Management Systems

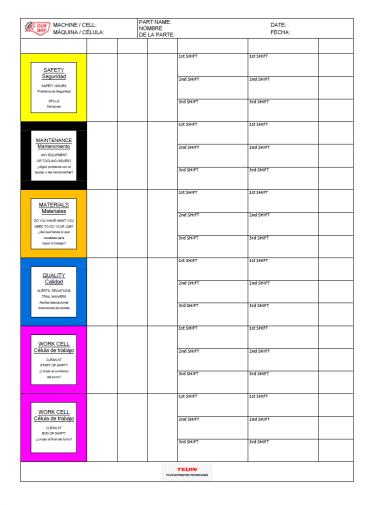
Daily Management System – DOR Wall

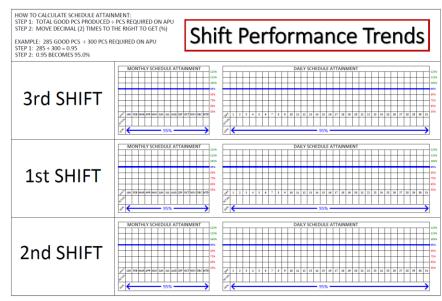
Every morning at 8:30, the management team assembles at our DOR areas to review metrics from the day before. Each functional manager reports their KPI's and discusses anything worth mentioning to the attention of the management team. This information is accessible to any employee in the plant.

- The first stop is the main DOR wall
 - Shift Operating Review (SOR is reviewed)
 - KPI's for each Tier 3 function are reviewed
 - The KPA Walk action register is reviewed
 - Review daily "Go and See" walk from the day before
 - After leaving the first stop, all team members proceed with the KPA walk, reviewing operator boards and engaging our Tier 1 and Tier 2 employees
 - These reviews allow us to govern and drive sustainability
- The second stop is the Maintenance Board
 - Maintenance reviews current issues with the team
- The third stop is the Operations Board
 - Compression molding ops are reviewed
 - · Injection Ops are reviewed
 - · Rivian Room Ops are reviewed
 - · Tooling Action Registry is reviewed
 - Any other outstanding action items are reviewed



Tier 1 Alignment: Operator Work Center Boards







OUR MAY M	IACHINE / CELL: IÁQUINA / CÉLU	LA:	PART NAME: NOMBRE DE LA PARTE:		DATE: FECHA:				
SHIFT	HOUR	HOURLY TARGET TARGET RUNNING TOTAL	HOURLY ACTUAL ACTUAL	SCRAP	ISSUES	ACTIONS	SIGN		
	1								
	2								
<u> -</u>	3								
≒	4								
산	5								
7	6								
3rd SHIFT	7								
	8								
	3RD SHIFT TOTAL								
	1								
	2								
1st SHIFT	3								
₹	4								
S	5								
į	6								
100	7								
	8								
	1ST SHIFT TOTAL								
	1								
_	2								
ட்ட	3								
三	4								
S	5								
р	6								
2nd SHIFT	7								
	8								
	2ND SHIFT TOTAL								
			TEUIN AU	TELLIN TOMOTIVE TECHNOLOSES					

Operations Improvement

Attainment Report

- The objective behind this form is to make the information easier to complete for each shift supervisor as well as make the information more accurate, and in turn, more valuable.
- · This information can be tabulated into charts and metrics that are shown throughout the entire plant.
- Every employee from every work cell is now able to view their performance as well as the performance of other departments and tiers throughout the entire plant. Our performance is no longer a secret.
- Data collection is our first step in order to highlight areas in need of improvement.
- · Once data is collected and presented, we know where to focus our improvement efforts.

	HIDE NOT SCHEDULED	UN	I-HIDE N	OT SCHED	JLED		SAVE SUMI	MARY AS PDF FILE Molding Operations							Molding Operations								
Date:			Compression Molding																				
Press	Product Name	Standard Manning	Actual Manning	Standard Parts Per Hour	Scheduled Run Hours	Unscheduled Run Hours	Scheduled Downtime	Unscheduled Downtime	Machine Availability	Pcs. Req.	Pcs Made	Pcs. Scrapped	Total Cost of Scrap	Scrap Value	% of Scrap Vs. Production	OE%	Earned Hours	Labor Hours	LE%	Attainment	Unscheduled Attainment	Quality	Notes
Press 102 Cav 1	19P01 B Blower 2 Molds	2.0	2.0	33	6.0		2.0		100.00%	198	188	2	\$14.72	\$7.36	1.06%	98.94%	11.39	12.00	94.95%	94.95%	-	98.94%	Ejectors not fully retracting, cleaned out from under plates with no good results. Having to sand insert area of parts to flatten out.
Press 102 Cav 2	20P01 B Blower 2 Molds	2.0	2.0	33	6.0		2.0		100.00%	198	188		\$21.24	\$7.08	1.60%	98.40%	11.39	12.00	94.95%	94.95%	-	98.40%	
Press 104 Cav 1	C5 Coil Wall LH	1.0	1.0	17	7.2		0.8		100.00%	122	165	1	\$19.05	\$19.05	0.61%	99.39%	9.71	7.20	134.80%	134.80%	-	99.39%	
Press 104 Cav 2	C5 Coil Wall RH	1.0	1.0	17	7.2		0.8		100.00%	122	165	2	\$37.30	\$18.65	1.21%	98.79%	9.71	7.20	134.80%	134.80%	-	98.79%	
Press 105 Cav 1	P702 TAILGATE COVER	4.0	2.0	41	8.0				100.00%	328	374	15	\$373.50	\$24.90	4.01%	95.99%	36.49	16.00	228.05%	114.02%	-	95.99%	Scrap due to shorting at start up. Checked weight and temps, everything checked out. Extended charge pattern and issue went away. Shut down at 10pm to clean cell.
Press 110 Cav 1	Tiger Shark Access / Front Panel	2.0	2.0	31	7.2		0.8		100.00%	223	222	3	\$0.00	\$0.00	1.35%	98.65%	14.32	14.40	99.46%	99.46%	-	98.65%	
Press 115 Cav 1	YAPP Ford U625 Fuel Tank Shield REAR	4.0	4.0	95	7.2		0.8		100.00%	684	692	3	\$11.76	\$3.92	0.43%	99.57%	29.14	28.80	101.17%	101.17%	-	99.57%	
Compre	ssion Molding Total	Standard Manning	Actual Manning		Scheduled Hours	Unscheduled Run Hours	Scheduled Downtime	Unscheduled Downtime	Availability	Pcs. Req. at 100%	Pcs Made	Pcs. Scrapped	Total Cost of Scrap		% of Scrap Vs. Production	OE%	Earned Hours	Labor Hours	LE%	Attair	nment	Quality	
		16.0	14.0		48.8	0.0	7.2	0.0	100.00%	1876	1994	29	\$477.57		1.47%	98.53%	122.15	97.60	126.88%	108.	.88%	98.53%	

Strategy on a Page: Purpose Map 1 Year Planning Window Continuous Improvement Purpose Map

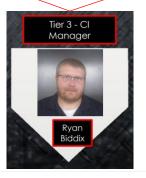
Lenoir Continuous Improvement Ryan Biddix Owner: Performance Map **Action Register** Month: January CI will safely improve Lenoir operations, empower our employees, and achieve internal and external customer satisfaction through employee empowerment. Purpose innovation, automation, and waste reduction while preserving the environment. Statement: Strengths: Within Our Control (Internal) Weakness: Within our Control (Internal) (Reference Only) Teamwork Innovative Thinking **Duplicate Reporting** Communication Manpower (lack of) Strong Problem Solving Consistent SMC Dedicated Opportunities: Out of Our Control (External) Threats: Out of Our Control (External) **Automation Capital** Stable Material Supplier Limitations and Compromises Including Material Climate Controlled Facility (processing during summer months) Loss of Business due to lack of innovation Adding Additional Training Staff - Onboarding and Continuing Ed. Man Power - Hard to find qualified labor Mature workforce entering latter phase of career 2022 YTD Actual As Of Variance As Of Unit Of CPI - Critical Performance Indicator Metric Owner January January January CPI: Ryan Biddix \$214,920.65 \$308,116.87 \$93,196.22 Monthly Savings Individual cost saving initiatives Training - onboarding Training - process improvements and engineering changes Kaizen events General Process improvements Where We Focus Cost tracker Audits vs. Actual CI led cross-functional team brainstorming sessions (engineering, quality, maintenance, materials, operations) Action Tag Management and Bridging the gap with the CI Committee 2022 YTD Goal As Of 2022 YTD Actual As Of Variance As Of Performance Measures Unit Of Metric Owner (KPA's and KPI's) Measurement January January January **New Hires Trained** % **Debra Harrington** 100.00% 100.00% 0.00% Key Performance **Debra Harrington** 20.00 28.00 8.00 **Training Sessions** Indicators: 12.00 **Monthly Kaizens** # Ryan Biddix 10.00 2.00 Ryan Biddix 20.00 28.00 8.00 **Action Tags Logged Cost Tracker Audits** Ryan Biddix 20.00 37.00 17.00 23.00 Ryan Biddix 10.00 13.00 Brainstorming Sessions

Where We Focus

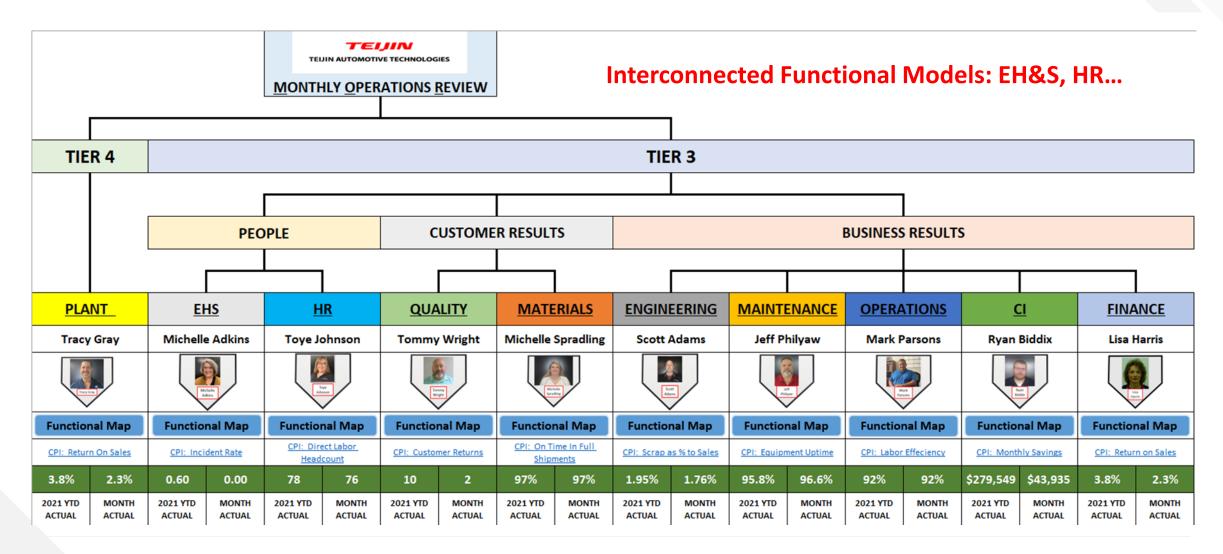
- Cost saving initiatives
- Training onboarding / continuing education
- Kaizen events
- Cost trackers
- Action Tags
- Trend charts are available for all CPI's and KPI's







Purpose Map: Tier 3, Lenoir, NC



Purpose Map: Lenoir, NC

Tier 4 (Plant Level) Purpose Map

Purpose maps are developed as the foundation of purpose, create alignment, define winning, ownership and the associated metrics.

Standards are not changed to accommodate under performing metrics.



Define

Winning

Reality

Purpose

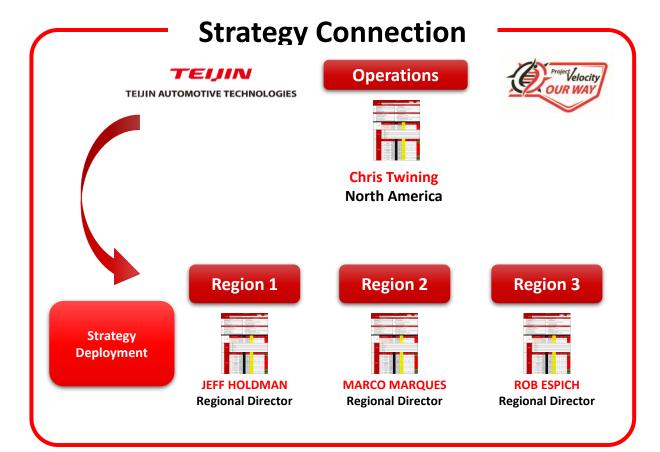
Focus
Key Performance
Actions

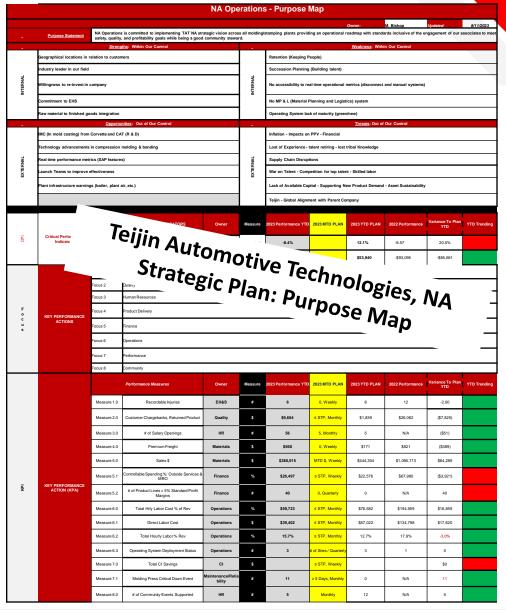
Measures Key Performance Indicators

			ocation / Fun	ction						
Owner:	Tracy Gray									
Month:	September	Action Re	gister Performance I	Мар						
Purpose Statement:	Teijin Lenoir will safely meet o	ur financial & cus		nh innovation, communic r environment.	ation, employee engageme	nt & teamwork while				
	Strengths: Within Our Cor	trol (Internal)		Weakness: W	/ithin our Control (Internal)	(Reference Only)				
Talent of People				Improved Housekeepin	g					
Crisis Managemer	nt and Avoidance		Utilize existing program	ns to drive scheduling						
Work Well as a Te	am			Equipment reliability						
Work Ethic				Mature workforce ente	ering latter phase of career					
Dedication										
	Opportunities: Out of Our C	ontrol (External)		<u>Thre</u>	eats: Out of Our Control (Ex	<u>(ternal)</u>				
Consistent SMC				Competition for hiring						
Equipment moder	nization			Slow response from cor	porate impacting response					
Reduce duplicate	reporting			Capital allocations						
Utilization of auto	mation			Dependency of oversea	s suppliers					
Expand technical s	taff									
	CPI - <u>C</u> ritical <u>P</u> erformance <u>I</u> ndicator	Unit Of Measurement	Metric Owner	2023 YTD Goal As Of	2023 YTD Actual As Of	Variance As Of				
CPI:	Return on Sales	%	Tracy Gray	September	September	September September 12.68% 0.46%				
		,,	y	11.12.73	12100/0	011070				
	Safety - Everyone home safe Quality - Do the job right so we hav	a good guality ar	ido in what we make							
	Maintenance - Safe, stable and relia			into						
	Human Resources - Retain, develop		o meet our customers & a	issociates						
Where We Focus:		·								
	Delivery - Right product, right time, Finance - Value in everything we do		our customers							
	Waste - Scrap reduce, recycle, & rei									
	C.I Drive improvement through pe		& innovation							
			& IIIIovation	2023 YTD Goal As Of	2023 YTD Actual As Of	Variance As Of				
	Performance Measures (KPA's and KPI's)	Unit Of Measurement	Metric Owner							
				September	September	September -0.19				
	<u>Injuries / Rate</u>	Rate	Michelle Adkins		0.75 0.56					
	<u>Customer Returns</u>	%	Tommy Wright	0.20%	0.02%	-0.18%				
Key Performance	Equipment Uptime	%	Jeff Philyaw	95.00%	98.35%	3.35%				
<u>I</u> ndicators:	<u>Headcount - Direct Labor Hours</u>	#	Toye Thongkai	87.83	101.20	13.37				
	Turnover	%	Toye Thongkai	3.88%	2.42%	-1.46%				
	On Time Delivery	%	Michelle Spradling	98.00%	98.45% 98.83%	0.45%				
	Schedule Attainment	%	Michelle Spradling	90.00%	8.83%					
	Machine Capacity	%	Scott Adams	85.00% 78.33% -6.67%						
	Monthly Savings	\$	Ryan Biddix	\$283,845	\$421,039	\$137,194				

Tier 6 North America Operations

Interconnected Strategic Operating System from the CEO to the Shop Floor:









Customer Awards

- Stellantis Quality Award
- · GM Certificate Of Excellence
- GM Platinum Delivery Award
- Freightliners Masters Of Quality
- Paccar Quality Achievement Award 0 PPM

Certifications

- IATF 16949
- ISO14001
- Q1- Ford

Customer Loyalty

Teijin Automotive Technologies maintains a matrix of customer specific requirements where these requirements are linked to specific clauses in the ISO 9001:2015 and IATF 16949:2016 of the requirement manuals.

Teijin Automotive Technologies requires all products and processes, including outsourced processes and purchased products, be compliant to all customer specifications, statutory and regulatory requirements.

Environmental Health & Safety

2015 NCDOL Silver Award

2016 NCDOL Silver Award

2017 NCDOL Silver Award

2018 NCDOL Silver Award

2019 NCDOL Silver Award

2020 NCDOL Silver Award

2017 NCDOL Million Man Hours Award

2020 NCDOL Million Man Hours Award

2020 NCDOL Gold Award

2021 NCDOL Gold Award

2022 NCDOL Gold Award

2023 NCDOL Gold Award

2016 Teijin Automotive Technologies Most Improved EHS Award

2017 Teijin Automotive Technologies BEST EHS Program

2018 Teijin Automotive Technologies BEST EHS Program

2019 Teijin Automotive Technologies Sustainability Award

2020 Teijin Automotive Technologies Sustainability Award

2021 Teijin Automotive Technologies Sustainability Award

2022 Teijin Automotive Technologies Sustainability Award

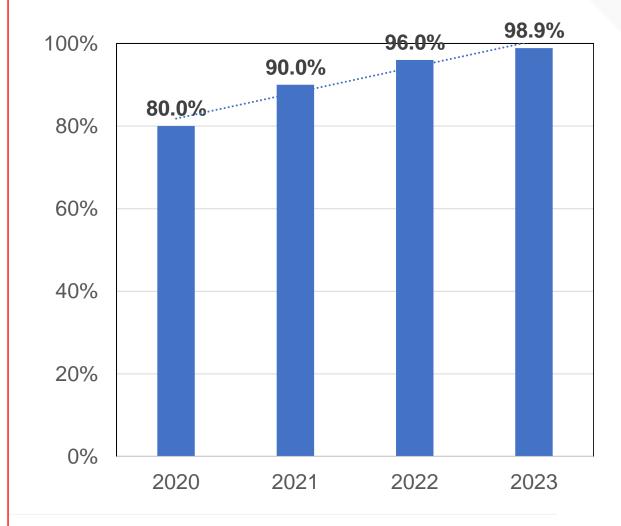
2023 Teijin Automotive Technologies Sustainability Award



Business Results

- ✓ Strong and sustained environmental health and safety metrics: Best In Class
- ✓ Customer and Internal Quality Metrics Improvement seen year over year with high level performance
- ✓ Continuous improvement projects converted from management driven to employee engagement with management supporting
- ✓ Production efficiency improved from being average to top performing within Teijin Automotive Technologies NA: 10% gain in 12 months
- ✓ Profitability of business unit improved with greater resilience on negative impacts with meeting or exceeding financial commitments month over month

Year End Overall Production Efficiency Levels







Teijin Automotive Technologies Lenoir Facility Receives Coveted AME Award of Excellence

The facility is the world's first of its kind to receive this award

AUBURN HILLS, Mich.--(BUSINESS WIRE)--The Association for Manufacturing Excellence (AME) awarded Teijin Automotive Technologies' Lenoir, North Carolina, facility with its prestigious AME Excellence Award. The Teijin Automotive facility is the world's first composites and molding manufacturing facility to win this award, which has been given out annually since 2010.



The AME Excellence Award recognizes manufacturing facilities that demonstrate excellence in manufacturing and business operations. The award criteria detail a lean systems model for enterprise excellence. The primary focus of the award is to acknowledge continuous improvement, best practices, creativity and innovation.

Teijin Automotive's Lenoir facility kicked off its Lean Continuous Improvement Operating System, called "Our Way" more than three years ago, with a focus on

standardization, accountability, and employee engagement. It also required a thorough understanding of intersections in the business and how they impact each operation or functional area within the facility.

"Teijin Automotive's Operating System drives success because it allows everyone ownership and full engagement to connect our business strategies with real business results," said Tracy Gray, plant manager, Lenoir. "Our operating system gives our team members a voice and the power to manage their own goals and objectives. Instead of making demands and expecting results, our teams are aware of their performance and have our support to make improvements."

"I am incredibly proud of the entire team at Lenoir for the effort they have put toward creating a world-class manufacturing operation," said Chris Twining, CEO, Teijin Automotive Technologies. "This team has set the bar for how we expect all of our manufacturing facilities to operate in the future, and with the Our Way system, we are well on our way."

The AME Excellence Award has a rigorous selection process that begins when a company submits an extensive achievement report based on AME's evaluation criteria. Companies that score high enough in their report review must then go through an intensive site visit. Recipients of the Excellence Award are selected based on the combined results of the achievement report review and site visit feedback.











For five years, Teijin Automotive has collaborated closely with Caldwell Community College and Technical Institute (CCC&TI) to facilitate site visits and implement customized training programs tailored to our unique requirements. This partnership is critical for equipping a fully trained and capable staff of experts.

This partnership has been made possible with key individuals such as:

Rick Shew, Associate Dean of Business and Career Services

Betty Silver, Associate Vice President of NCEdge Customized Training.

Dr. Mark Poarch, President of CCC&TI

Learn and Understand Shingo Model

Enterprise Alignment

Create Value for the Customer Create Constancy of Purpose Think Systemically

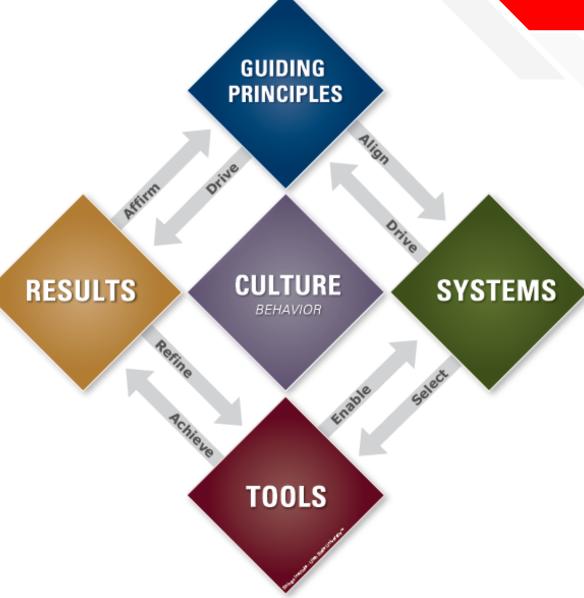
Continuous Improvement

Assure Quality at the Source • Improve Flow & Pull Seek Perfection • Embrace ScientificThinking • Focus on Process

Cultural Enablers

Respect Every Individual • Lead with Humility

GUIDING PRINCIPLES



The *Shingo Model*[™] is not just another initiative; it is a new way of thinking.

Three Insights of Organizational Excellence

Insight #1

Ideal Results Require Ideal Behaviors

The results of an organization depend on the way its people behave. To achieve ideal results, leaders must do the hard work of creating a culture where ideal behaviors are expected and evident in every team member.

Insight #2

Purpose and Systems Drive Behavior

Most of the systems that guide the way people work are designed to create a specific business result without regard for the behavior that the system consequentially drives. Managers have an enormous job to realign management, improvement, and work systems to drive the ideal behavior required by all people to achieve ideal business results.

Insight #3

Principles Inform Ideal Behaviors

Principles are foundational rules that govern consequences. The more deeply one understands principles, the more clearly he or she understands ideal behavior. The more clearly one understands ideal behavior, the better he or she can design systems to drive that behavior to achieve ideal results.













