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Febru

A First for the PDL: eSandPro Concept Build

Members of the Product Development Lab in Bloomington designed and completed the concept build of the **eSandPro** from start to finish - a first for the lab and for the development process. What's even more remarkable is that the build was completed in just six weeks. Learn more about how this creative and talented team ensured the eSandpro was ready for the floor at this week's **GCSAA Conference & Trade Show**.



With the GCSAA show just six weeks away, having a concept build of a new electric SandPro didn't seem possible. With nothing started and no engineering specs compiled, getting customer feedback would have to wait. But Rob Mc Ardell and the PDL team at Bloomington proved that not only could a prototype build be a reality, but would prove a monumental change to consider for future product development.

"My team can do this"

Late last December, **Ben Smith, product marketing manager**, commercial, was coming from a meeting with engineering, where he had just been told that six weeks for a concept build of a new eSandPro was "not near enough time," when he met up with **Rob Mc Ardell, supervisor for the product development lab at Bloomington**. Discussing his dilemma, Rob brought this to the attention of his supervisor and the industrial design team.



Together, they found an old SandPro (from our warehouse) which was no longer in use, and a little worse for the wear. However, since the general body of SandPro had not changed much since its launch in 1973 (see the Throwback Thursday in this issue) this piece of equipment would prove a great starting point for the new concept. Without missing a beat, Rob said that his team could create a concept build in time for the show. Knowing the skills and abilities of his team, Rob says that he had confidence from the start that the product would look like an electric vehicle and be ready for the Golf Show floor on time.

Starting With a Frame, Three Tires and a Tank

Step one of the process involved removing anything from the old SandPro that made it a gas-powered machine, including the engines, carburetors, lines, motors, drive system, etc. They were left with a very-stripped down frame, three tires and a "weird-looking" tank on the front. There were also challenges: the remaining components were created for hydraulics and now looked out of place, including a pod over the driver side wheel, the tank on the front, the dash, the wheels and more.



With the help of **Phil Dretzka and Ryan Sweere in industrial design**, and our in-house 3-D printer, new custom components were added to create a legitimate looking e-vehicle. The driver-side hydraulic housing was now a holder for personal items, the front tank became a storage compartment, a battery compartment was added to the rear and a new dash was installed – all looking more like a legitimate electric vehicle.



In addition, the body was stripped, sandblasted and professionally painted, wheel housing was changed to look electric, red LED lights were installed and a 12 v battery was mounted under the panel to be by the seat, with a switch on the dash. The front end was completely rebuilt with custom made parts, custom "ESP" hubcaps were added, a battery compartment was added to the rear and four empty hyper-cell batteries were installed. And, attachments were mounted – with the ability to lower on the show room floor. (And that's the exhaustive list of all the custom work that was done!)

Don't Forget the Flair!

Rob's team knew that even if the functional look of the vehicle was electric, it also needed to have a modern, bright and shiny, updated look! It had to be Toro, but also reflect today's standards, in line with what customers are used to seeing on our product. The red and black, smooth looking custom components, the updated decals and even a lighted bullhorn in the front took an "old dinosaur" and turned it into a detailed representation of a new electric SandPro vehicle.



A First in PDL and the Product Development Process

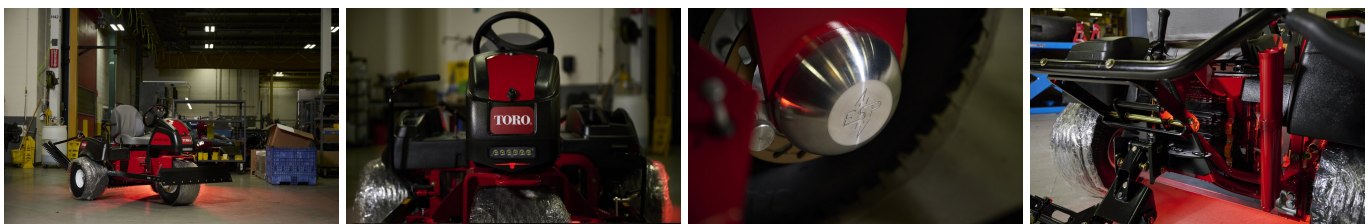
This is the first time that the concept model was completely built by the PDL team.

The standard process for developing a new product involves marketing listening to voice of customer and delivering the data to engineering, engineering prototyping the product, pilot build prior to production. The process generally lasts 18 months – two years.

The PDL team completed the concept build in record time. Rob attributes the creativity, experience, expertise and artistic ability of his team for the successful project. Rob hopes to showcase what his team can do and possibly offer an alternative to the standard development process in place today. On behalf of his team, Rob is honored that the eSandPro will be on the floor at the Golf Show, and appreciates the opportunity to show what PDL can do to make the product development process more effective and more efficient.

Congratulations to the PDL team responsible for this amazing concept build – currently on display in the Toro booth at the 2024 GCSAA Conference & Trade Show! Your talent and dedicated teamwork exemplify TTC values, innovation and commitment to excellence!

The finished eSandPro concept build (Photos by Jesse Dhein, TTC photographer):



On the floor at the GSCAA Conference & Trade Show:



The eSandpro concept build team with the finished product, in the PDL at Bloomington



L-R: Darin Vadnais, Joel Giesen, Craig Guth, Kevin Schumacher, Rob McArdeil and Jake VanPutten

Milestone Service Anniversaries

Congrats to **Tim Schwandt**, supply chain lead at Perry on **35 years of service!** See who else is celebrating a [milestone anniversary](#).

To see all service anniversaries, visit [Workday](#) and click on the "Service Anniversaries Coming Week" icon in the menu. Be sure to click on the "settings" gear button on the top right of your screen and then select "view more..." in the drop-down for a full list.

Anniversary	Years of Service	Employee	Business Title	Email - Work	Location
02/03	38	Shawn Whaley	Product Technician-TOM-Plant 11	SHAWN.WHALEY@TORO.COM	Tomah, WI
02/01	36	David Frear	Developer, Lead Software	DAVID.FREAR@TORO.COM	Bloomington, MI
02/01	36	Holger Schuele	Machine Operator Lead	Holger.Schuele@perrot.de	Althengstett, DE
02/03	36	Jim Laiche	Business Development Manager	JIM.LAICHE@TORO.COM	Remote Virginia
02/02	35	Tim Schwandt	Supply Chain Lead	tschwandt@ditchwitch.com	Perry-MPIt, OK
02/05	33	Ray Kukuk	Machine Operator II	rkukuk@ditchwitch.com	Perry-Plt3, OK
02/05	32	Steven Altobelli	Maintenance Technician Journeyworker-1140	STEVEN.ALTABELLI@TORO.COM	Shakopee, MN
02/01	31	Brian Zebedee	Painter-1956	Brian.Zebedee@toro.com	Windom, MN
02/06	29	Daniel Howell	Supervisor II, Operations	dhowell@ditchwitch.com	Perry-MPIt, OK
02/06	29	Bogdan Hazuka	CNC Operator I	Bogdan.Hazuka@toro.com	Ustron, PL
02/07	28	Kenny Redus	Manager, Information Technology	kredus@charlesmachine.works	Perry-MPIt, OK
02/07	28	Russell Prewitt	NPD Sourcing Manager	rprewitt@ditchwitch.com	Perry-MPIt, OK
02/01	27	Marian Leszczyna	Technician III, Mechanical	Marian.Leszczyna@perrot.pl	Ustron, PL
02/03	27	Gwen Larson	Assembler-1956	Gwen.Larson@toro.com	Windom, MN
02/03	27	Tim Moxley	Regional Parts Sales Manager I	tmoxley@ditchwitch.com	Perry-MPIt, OK
02/01	26	Ryszard Stec	Maintenance Technician II	RYSZARD.STEC@TORO.COM	Ustron, PL
02/01	25	John Cloutier	Sr. Manager, Marketing	JOHN.CLOUTIER@EXMARK.COM	Beatrice, NE
02/02	20	Jayne Roberts	Executive Assistant II	JAYNE.ROBERTS@TORO.COM	Bloomington, MI
02/06	20	Troy Brookman	Welder-TOM	TROY.BROOKMAN@TORO.COM	Tomah, WI
02/03	10	Trent Mitchell	Truck Driver-BEA	TRENT.MITCHELL@TORO.COM	Beatrice, NE
02/03	10	Adriana Garcia	Clerk, Data Entry	ADRIANA.GARCIA@TORO.COM	El Paso, TX
02/03	10	Karen Smith	Operations Buyer - Stampings and Weldments	karen.smith@ditchwitch.com	Perry-MPIt, OK
02/03	10	Curtis White	Specialist I, Product Support	curtis.white@subsite.com	Perry-SS, OK
02/04	5	Derick Stroud	Welder Lead-2221	Derick.Stroud@toro.com	Iron Mountain, MI
02/04	5	Lorri Lester	Administrator II, DC Logistics	LORRAINE.LESTER@TORO.COM	Ankeny, IA
02/04	5	Blaine Anderson	Key Accounts Manager I	bmanderson@americanagers.com	Remote Minnes
02/04	5	Corina Diehl	Assembler Lead	Corina.Diehl@ventrac.com	Orrville, OH
02/04	5	Michelle Vance	Assembler I	Michelle.Vance@ventrac.com	Orrville, OH
02/04	5	Katie Wenzel	Clerk I, Inventory	katie.wenzel@ventrac.com	Orrville, OH
02/06	5	Osiel Varela	Welder I	ovarela@radiushdd.com	Weatherford, TX
02/07	5	Alvaro Ortega	Technical Specialist	Alvaro.Ortega@toro.com	Frederick, CO

New Employees

Extend a warm welcome to the [new employees](#) who started last week, including **Annie Brooks**, specialist I, customer support in West Salem!

New Office Employees who started at TTC last week:

Location	Name	Title	Brand/Function	Start Date
Abilene, TX	Cavin Hill	Sr. Manager, Customer Care	Irrigation	1/22/2024
Bloomington, MN	Brad Aefsky	Temporary Office	IT	1/25/2024
Juarez1, MX	Jose Alferez Martinez	Supervisor, Molding	Operations	1/26/2024
Monterrey, MX	Yovani Alonso Ramos	Engineer II, Quality	Operations	1/22/2024
Mt. Sterling, KY	Benjamin Leach	Electronic Service Technician I	Subsite	1/22/2024
Newcastle, NSW	Simon Thompson	Service Technician I	International	1/22/2024
Perry-MPit, OK	Rheanna Sanders	Scheduler	Operations	1/23/2024
Remote Louisiana	Chris Christensen	Territory Manager II	Intimidator	1/22/2024
Remote Ohio	Jim Mosnot	Territory Manager I	Intimidator	1/22/2024
Riverside, CA	Frodese Ann Daarol	Engineer I, Test	Irrigation	1/22/2024
Sydney, AU	Bradley Walker	Service Technician Apprentice	International	1/22/2024
West Salem, OH	Annie Brooks	Specialist I, Customer Support	American Augers	1/22/2024

New Production Employees who started at TTC last week:

Location	Name	Title	Start Date
Beatrice, NE	Michael Richardson	Assembler-BEA	
El Cajon, CA	Jose Velasquez	Temporary Production	
El Cajon, CA	Troy Tolbert	Temporary Production	
El Cajon, CA	Andrew Grayson	Temporary Production	
El Paso-D, TX	Jose Cardona	Temporary Production	
El Paso-D, TX	Stephen Salmon	Temporary Production	
El Paso-D, TX	Roberto Rivera	Temporary Production	
El Paso, TX	Jeremy Jones	Temporary Production	
El Paso, TX	Brian Contreras Garcia	Temporary Production	
El Paso, TX	Fernando Sanchez	Temporary Production	
El Paso, TX	Josiah Follet	Temporary Production	
Juarez1, MX	Guadalupe Garcia Ibarra	Operator	
Juarez1, MX	Nallely Ventura Montiel	Operator	
Juarez1, MX	Miguel Guerrero Virgen	Operator	
Juarez1, MX	Yesenia Diaz Murillo	Operator	
Juarez1, MX	Maria Arevalo Magdaleno	Operator	
Juarez1, MX	Tomasita Madera Rivera	Operator	
Juarez1, MX	Cristian Coazon Montalvo	Operator	
Juarez1, MX	Marco Martinez Cortinas	Operator	
Juarez1, MX	Jorge Martinez Espinosa	Mold Operator I	
Juarez1, MX	Juan Rivas Rodriguez	Mold Operator I	
Juarez2, MX	Adolfo Leija Guerrero	Operator	
Juarez2, MX	Luis Acosta Romero	Operator	
Juarez2, MX	Paola Perez Moreno	Operator	
Juarez2, MX	Eduardo Arroyo	Operator	
Juarez2, MX	Luis Dodero Garcia	Operator	
Juarez2, MX	Ilse Hernandez Luna	Operator	
Juarez2, MX	Rosario Rincon Sanchez	Operator	
Juarez2, MX	Araceli Sagrero Gomez	Operator	
Juarez2, MX	Nadia Robles Ortela	Operator	
Juarez2, MX	Maria Fontes Alcocer	Operator	
Juarez2, MX	Caleb Diaz Sanchez	Warehouse Operator I	
Juarez2, MX	Margarita Vicente Rincon	Operator	
Juarez2, MX	Luis Astorga Lopez	Operator	
Juarez2, MX	Esperanza Vazquez Peña	Operator	
Juarez2, MX	Cristian Venancio Martinez	Operator	
Juarez2, MX	Candelario Garcia Delgado	Operator	
Juarez2, MX	Cristian Juarez Rodriguez	Warehouse Operator I	
Juarez2, MX	Kevin Retana Galvan	Operator	
Juarez2, MX	Victor Meraz Sierra	Operator	
Juarez2, MX	Gustavo Leija Guerrero	Operator	
Juarez2, MX	Arheli Cruz Mulato	Operator	
Juarez2, MX	Leobardo Burgos Carmona	Operator	
Juarez2, MX	Arturo Lopez Duarte	Operator	
Juarez2, MX	Angel Sagrero Caldelas	Operator	
Juarez2, MX	Juan Hernandez Cruz	Security Guard - Mexico	
Juarez2, MX	Jose Reyes Pablo	Operator	
Juarez2, MX	Karen Chavez Favela	Operator	
Juarez2, MX	Sergio Coronado Fernandez	Warehouse Operator I	
Juarez2, MX	Mateo Ricardez Garcia	Operator	
Juarez2, MX	Derek Herrera Blansisfortis	Material Handler I	
Juarez2, MX	Dylan Herrera Blansisfortis	Warehouse Operator I	
Juarez2, MX	Francisco Avila Roman	Operator	
Juarez2, MX	Jorge Rocha Mendoza	Material Handler I	
Juarez2, MX	Juan Gutierrez Reyes	Operator	
Juarez2, MX	Samuel Santos Organista	Operator	
Juarez2, MX	Diana Ojeda Monjaras	Operator	
Juarez2, MX	Linette Anaya Hernandez	Operator	
Juarez2, MX	Edgar Vidal Moreno	Operator	
Juarez2, MX	Aaron Zamora Chairez	Operator	
Juarez2, MX	Juan Jurado Montoya	Operator	
Juarez2, MX	Christian Nogales Carrasco	Operator	
Juarez2, MX	Cecilio Gonzalez Guzman	Operator	

Juarez2, MX	Alejandro Andres Castillo	Operator	
Juarez2, MX	Janette Alejandro Esteban	Operator	
Juarez2, MX	Omar Perez Santos	Operator	
Juarez2, MX	Manuel Diaz Calleros	Operator	
Juarez2, MX	Andres Aguilar Rubio	Operator	
Juarez2, MX	Kevin Gutierrez Rodriguez	Operator	
Juarez2, MX	Zitlali Lopez Gamboa	Operator	
Juarez2, MX	Karen Flores Ramirez	Operator	
Juarez2, MX	Julio Resendiz Bartolo	Operator	
Juarez2, MX	Samuel Castillo Flores	Operator	
Juarez2, MX	Miguel Contreras Lozano	Operator	
Juarez2, MX	Bogar Jaramillo Bravo	Operator	
Juarez2, MX	Fabian Luna Ruiz	Operator	
Juarez2, MX	Angel Arellano Hernandez	Operator	
Juarez2, MX	Daniel Monjaras Vielma	Material Handler I	
Juarez2, MX	Josefina Medina Martinez	Operator	
Juarez2, MX	Francisco Martinez Xolot	Operator	
Juarez2, MX	Jose Arciniega Cardoza	Operator	
Juarez2, MX	Adan Alvarado Mata	Warehouse Operator I	
Juarez2, MX	Auden Alvarado Alvarez	Operator	
Juarez2, MX	Cristian Cruz Diaz	Operator	
Juarez2, MX	Erick Alvarado Zarate	Operator	
Juarez2, MX	Luis Alvarez Sanchez	Operator	
Juarez2, MX	Eduardo Castillejos Lopez	Operator	
Juarez2, MX	Fredy Martinez Blanco	Operator	
Juarez2, MX	Jose Hernandez Loera	Operator	
Monterrey, MX	Adriana Uscanga Carvajal	Operator	
Monterrey, MX	Jaime Hernandez Lopez	Warehouse Operator I	
Monterrey, MX	Gabriel Gonzalez Sanchez	Painter I	
Monterrey, MX	Rubicel Cristobal Hernandez	Painter I	
Monterrey, MX	Eymmy Garcia Mendez	Painter I	
Monterrey, MX	Maria Espinosa Cepeda	Painter I	
Monterrey, MX	Nereyda Nieto Hernandez	Operator	
Monterrey, MX	Carlos Luna Ferrusca	Painter I	
Monterrey, MX	Basilio Hernandez Jeronimo	Painter I	
Monterrey, MX	Gildardo Hernandez Hernandez	Painter I	
Monterrey, MX	Delfino Guzman Mellado	Operator	
Monterrey, MX	Darian Flores Leal	Operator	
Monterrey, MX	Kevin Hinojosa Herrera	Operator	
Monterrey, MX	Kenia Rivas Payan	Operator	
Monterrey, MX	Pedro Valles Torres	Painter I	
Monterrey, MX	Anahi Perez Rangel	Operator	
Monterrey, MX	Osiel Mota Guevara	Operator	
Monterrey, MX	Irvin Almaguer Agundis	Driver, Tugger	
Monterrey, MX	Zaida Flores Leal	Operator	
Monterrey, MX	Daniel Bautista Francisco	Driver, Tugger	
Monterrey, MX	Lorenzo Garcia Lopez	Warehouse Operator I	
Monterrey, MX	Mario Huerta Martinez	Painter I	
Monterrey, MX	Edgar Elizondo Andrade	Painter I	
Monterrey, MX	Julio Duque Garcia	Operator	
Monterrey, MX	Jessica Martinez Guadarrama	Operator	
Monterrey, MX	Juan Olvera Castro	Operator	
Monterrey, MX	Jose Solis Hernandez	Operator	
Monterrey, MX	Maria Martinez Morales	Driver, Tugger	
Monterrey, MX	Diana Noriega Lopez	Operator	
Monterrey, MX	Karla Cuellar Castañeda	Operator	
Monterrey, MX	Luis Hernandez Hernandez	Operator	
Monterrey, MX	Kathia Arias Cruz	Operator	
Monterrey, MX	Edgar Rangel Rodriguez	Warehouse Operator I	
Monterrey, MX	Barbara Becerra Hernandez	Operator	
Monterrey, MX	Beatriz Castillo Gonzalez	Operator	
Monterrey, MX	Maria Dominguez Martinez	Operator	
Monterrey, MX	Axel Escobedo Carreon	Warehouse Operator I	
Monterrey, MX	Moises Ramon Juan	Warehouse Operator I	
Monterrey, MX	Gloria Garcia Hernandez	Operator	
Monterrey, MX	Edna Perez Hernandez	Operator	
Monterrey, MX	Vanessa Martinez Hernandez	Operator	
Monterrey, MX	Esteban Longinos Antonio	Operator	
Monterrey, MX	Jessica Gonzalez Terrones	Warehouse Operator I	
Monterrey, MX	Gael Hernandez Hernandez	Warehouse Operator I	
Monterrey, MX	Carlos Lara Bermudez	Warehouse Operator I	
Monterrey, MX	Deniss Reyes Martinez	Operator	

Monterrey, MX	Rocio Chavez Neri	Operator	
Monterrey, MX	Brandon Martinez Castañeda	Operator	
Monterrey, MX	Juan Escalona Escudero	Operator	
Monterrey, MX	Kevin Luna Rubio	Operator	
Monterrey, MX	Fatima Victorino Alfaro	Operator	
Monterrey, MX	Yuset Rubio Alonso	Operator	
Monterrey, MX	Valeria Oyervides Macias	Operator	
Monterrey, MX	Lilia Antonio Flores	Operator	
Monterrey, MX	Andrea Guillen Tovar	Operator	
Monterrey, MX	Crisanto Bautista Hernandez	Operator	
Monterrey, MX	Arianna Requena Alvarez	Operator	
Monterrey, MX	Maria Hernandez Palma	Operator	
Perry-MPit, OK	Colby Schaeff	Painter I	
Perry-MPit, OK	Will Frye	Welder I	
Perry-MPit, OK	Dusty Franklin	Material Handler I	
Perry-MPit, OK	Tasha Torrey	Material Handler I	
Perry-MPit, OK	Mason Stanley	Painter I	
Perry-MPit, OK	Gary Myers	Welder I	
Perry-MPit, OK	Ricky Govea	Welder I	
Perry-MPit, OK	Bryce Peace	Assembler I	
Perry-MPit, OK	Christian Wilkerson	Material Handler I	
Perry-Pit3, OK	Jason Tumlinson	Machine Operator I	
Plymouth, WI	Eric Anhalt	Material Handler I-1291	
Plymouth, WI	Karen Boll	Material Handler I-1291	
Plymouth, WI	Jonathan Mickelson	Material Handler I-1291	
Plymouth, WI	Emanuel Ayala	Material Handler I-1291	
Tomah, WI	Dakota Hasz	Production Associate-TOM	
Tomah, WI	Kathy Linenberg	Production Associate-TOM	
Tomah, WI	Francheca Motos	Production Associate-TOM	
Tomah, WI	Markus Kulisek	Production Associate-TOM	
Tomah, WI	Alex Schmidt	Welder-TOM	
Tomah, WI	Michael Cholka	Production Associate-TOM	
Tomah, WI	Larry Clark	Welder-TOM	
Tomah, WI	Alex Waterson-Rosso	Production Associate-TOM	
Tomah, WI	Kyle McIntyre	Material Handler-TOM	
Tomah, WI	Antani Evans-Halverson	Welder-TOM	
Tomah, WI	Randolph Ilgen	Material Handler-TOM	
Tomah, WI	Kevin Feight	Production Associate-TOM	
West Salem, OH	Glenn Barfoot	Material Handler I	

On The Move

See [organizational changes](#) happening throughout the company.

Here are the organizational changes that took place last week. Be sure to reach out and congratulate your colleagues on their new opportunities!

Name	Preferred Name	Old Title	New Title	Location	Effective Date
Koenen, Andrew	Andrew Koenen	Analyst II, Financial	Analyst III, Financial	Bloomington, MN	1/22/2
Haynes, Chris	Chris Haynes	Machine Operator I	CNC Maintenance Technician Trainee	Perry-MPit, OK	1/22/2
Finstad, Trevor	Trevor Finstad	Analyst III, Internal Audit	Analyst III, Internal Audit - IT	Bloomington, MN	1/22/2
Petersen, Chad Don	Chad Petersen	Specialist IV, Engineering	Specialist V, Engineering	Bloomington, MN	1/22/2
Tran, Tony Cong	Tony Tran	Technician I, Field Test	Technician II, Field Test	Sun City Center, FL	1/22/2
Cook, Bryan	Bryan Cook	Technician II, Field Test	Technician III, Field Test	Sun City Center, FL	1/22/2
Jefferson, Tirone	Tirone Jefferson	Technician I, Test	Technician II, Test	Bloomington, MN	1/22/2
Daniels, Richard Ray	Richard Daniels	Planner I	Supervisor I, Planner-Scheduler	Orrville, OH	1/22/2
Doherty, Brandon	Brandon Doherty	ISC Program Manager	Manager II, Sourcing	Bloomington, MN	1/22/2
Webster, Nicholas	Nick Webster	Supervisor I, Materials	Supervisor II, Materials	Tomah, WI	1/22/2
Leuty, Eric L	Eric Leuty	Welder-BEA	Welder Advanced-BEA	Beatrice, NE	1/22/2
Johnston, Griffin	Griffin Johnston	Buyer I	Buyer I	Bloomington, MN	1/22/2
Hamlett, Shantelle Nicole	Shantelle Hamlett	Painter II	Painter II	Perry-MPit, OK	1/22/2
Lumppio, Judith A	Judy Lumppio	Analyst I, Payroll	Analyst II, Payroll	Bloomington, MN	1/22/2
Wilson, Cheri	Cheri Wilson	Specialist III, Shared Services	Analyst I, Shared Services	Perry-MPit, OK	1/22/2
Bestland, Linda R	Linda Bestland	Specialist I, Shared Services	Specialist II, Shared Services	Bloomington, MN	1/22/2
Maehs, Ramona L	Ramona Maehs	Specialist III, Shared Services	Analyst I, Shared Services	Perry-MPit, OK	1/22/2
Thompson, Phyllis L	Phyllis Thompson	Specialist I, Shared Services	Specialist II, Shared Services	Riverside, CA	1/22/2
Sneed, Shirley JoNell	Shirley Sneed	Specialist III, Shared Services	Analyst I, Shared Services	Perry-MPit, OK	1/22/2
Wynar, Angie	Angie Wynar	Representative I, Employee Service Center	Representative II, Employee Service Center	Orrville, OH	1/22/2
Garcia Aquino, Edgar De Jesus	Edgar Garcia Aquino	Security Guard - Mexico	Security Guard - Mexico	Juarez1, MX	1/22/2

Pascual Marquez, Ricardo	Ricardo Pascual Marquez	Warehouse Operator I	Lead, Warehouse	Monterrey, MX	1/22/2
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Career Opportunities

Many opportunities are available across TTC! Check out the [TTC Careers Site](#) for a full list.

Volunteer & Give Back

Visit [YourCause](#) for information on TTC volunteering, donation matching and employee programs.

Retired TTC CEO Makes Donation to Enhance GCSAA's First Green Program With 'STEAM Ahead' Initiative



The **Michael J. and Tamara Rae Hoffman Family Charitable Gift Fund** has donated **\$1 million** to GCSAA's **First Green** education program. The **"STEAM Ahead"** Initiative will fund the addi to First Green, which will elevate it from a STEM curriculum to a STEAM (science, technology, engineering, **art**, and math) curriculum. In addition to the check presentation, Mike and Tami rev with a banner unveiling at the opening of the GCSAA trade show.

[READ THE RELEASE & SEE PICTURE GALLERY](#)
(Click arrows to view picture gallery above.)

The **Michael J. and Tamara Rae Hoffman Family Charitable Gift Fund** has donated **\$1 million** to GCSAA's **First Green** education program of the Golf Course Superintendents Association (GCSAA). The **"STEAM Ahead"** Initiative will fund the addition of arts to First Green, which will elevate it from a STEM curriculum to a STEAM (science, technology, engineering, **art**, and matt In addition to the check presentation, Mike and Tami revealed the gift with a banner unveiling at the opening of the GCSAA trade show.

[Read the GCSAA release.](#)

Toro Robotics Colorado Celebrates Ribbon Cutting at New Frederick, CO Location

On Friday January 19, Toro Robotics Colorado celebrated a ribbon cutting at the new 22,000 sq-ft Frederick, CO location with local dignitaries and TTC leadership in attendance for the festivities. The event included technology overviews and product demonstrations highlighting the two-acre outdoor proving grounds.



[READ MORE & VIEW PICTURE GALLERY](#)
(Click arrows to view picture gallery above.)

On Friday January 19, Toro Robotics Colorado celebrated a ribbon cutting at the new 22,000 sq-ft Frederick, CO location with local dignitaries and TTC leadership in attendance f festivities. The event included technology overviews and product demonstrations highlighting the two-acre outdoor proving grounds.

Kurt Svendsen, VP of Technology, and Traci Crites, Frederick mayor performed the ribbon cutting. TTC welcomed Fredrick city council and staff, Weld County commissioners, CC Development and Trade staff, and additional members from the local community.

"Customer and environmental needs drive our innovation priorities with a focus on battery, autonomous and smart-connected solutions. We're excited to see the growth from the l Robotics start-up into this world class facility," said Kurt Svendsen, vice president of technology.

"This investment in the Frederick facility expands our operational capacity, enables us to add talent and further supports our efforts to provide innovative solutions to our global cu making their jobs easier and more productive," said John Hurst, senior director for The Toro Company's Center for Technology, Research and Innovation.

Check out the story from the [Longmont Leader](#) on Toro Robotics' move to its new location: [Toro brings expansion, centre of excellence division to Frederick](#)

Throwback Thursday

A Timesaver in the Traps: As a new **eSandpro** prototype is on display at the GCSAA Conference & Trade Show this week, let's take a look at the **original 1973 Sandpro brochure** and the write up in the **Toro Roundup Newsletter**.



A timesaver in the traps.

One man can make 15 traps look this good in one hour — with a Toro Sandpro. It was designed, engineered and built to work in sand. And it not only works, it keeps working. One man can finish an entire course in 4 to 5 hours. It starts at the turn of a key and rolls on special tires (21 x 11.00-8) that carry only 4 psi. All three wheels are hydraulically driven, and the machine turns on zero radius to the left or right. The Sandpro pays for itself in less than a season — and you've got better looking and better playing traps in the bargain!

SANDPRO



specifications

SANDPRO MODEL 08875

FRAME: All welded tubular-steel construction.

WHEELS: Standard demountable—interchangeable for three positions. 21 x 11.00-8 tires. Extra low-pressure, 4 psi compass tread.

ENGINE: Kohler 8 hp Model 181 SP. Cast iron block, dry element air filter, fuel pump. Rubber mounted.

STARTER: 12 v. Bendix-drive electric starter is standard. Key switch controlled from dash.

DRIVE: 3-wheel hydraulic. Engine-mounted Vickers variable-displacement piston pump through flexible coupling to 3 Ross Torqmotors on wheels.

STEERING: Automotive-type steering wheel. 6:1 reduction ratio.

SEAT: One piece molded with back support. Adjustable forward and back.

OPERATOR CONTROLS: Key start, hand throttle, hand choke, ammeter and hour meter on dashboard. Foot pedal controls forward/reverse and speed. Hand-operated hydraulic control lifts and lowers rake. Valve disengages pump for towing or pushing.

FUEL TANK: 2.7 gallon.

HYDRAULIC RESERVOIR: 1½ gal.

FILTER SYSTEM: 10 micron replaceable element.

SPEED RANGE: Infinitely variable to 5¼ m.p.h. maximum.

TURNING RADIUS: Machine turns on zero radius to the left or right.

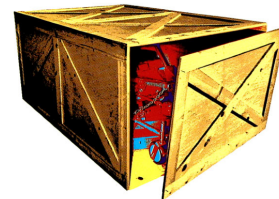
RAKE: 68-inch width. Sub-surface blade breaks crust. Four independent forward conditioning sections, 9 finishing sections. Adjustable for depth of penetration.

REFUSE CONTAINER: Removable and located within easy reach of operator.

DIMENSIONS: Width—58¼". Overall length—62¼". Wheel base—40".

Height—42". Weight—approx. 650 lbs. with fluids.

**Toro rolls out
the best engineered,
best-built turf
maintenance equipment
in the world:**



TORO 73!

TORO

ROUNDUP

THE TORO
EMPLOYEE
NEWSLETTER



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Vol. 4, No. 2 • JUNE, 1973

Acres of Sand Handled by a Pro

Dick Vande Walle, superintendent of the Highland Spring Municipal Golf Course in Rock Island, Illinois, has solved one of his most frustrating problems: how to keep more than five acres of sand traps in playable condition. Until this year, he wasn't able to afford enough help to maintain the bunkers. They were so badly scarred and littered that players never bothered to rake out their footprints. Now they do. And although they still are unhappy when a ball goes into the sand, they accept it as the playing challenge it's supposed to be.

Vande Walle has made the transformation without additional manpower but

with the purchase of a new machine — the Toro Sandpro, the versatile three-wheeled powered vehicle, totally hydraulic, that enables the operator to rake an average of 15 traps an hour. It costs about \$1650.

He also estimates he would need three or four additional men in his crew to equal the work of the Sandpro.

With the Sandpro and one man taking care of the 39 bunkers the rest of his crew — one fulltime and nine part-time groundskeepers — are able to spend more time on the rest of the course.

Vande Walle also makes use of other labor-saving machines from Toro. He has two Toro Parkmasters, each with seven-gang mowers, for mowing the fairways and rough.

TTC Grants \$50K

TTC has again supported the GCSAA Foundation, the philanthropic arm of the GCSAA, with a \$50,000 grant from The Toro Company Foundation for continued support of the Rounds 4 Research (R4R) program in 2024. With this contribution, TTC has donated \$600,000 to the program over the past 12 years.



TTC Celebrates Black History Month

Black History Month is an annual celebration of achievements by African Americans and a time for recognizing their central role in U.S. history. Get involved and learn more about Black history this February! Check out the **WeSpire Challenge** and **Black History Month Virtual Bingo** and watch for more info and events coming soon.



While Black history is relevant every month, the month of February serves as a dedicated time to honor the contributions, struggles, and achievements of Black individuals through history, celebrating their resilience, creativity, and enduring impact on society.

Let this month be an invitation to learn, act, and elevate how we can foster inclusion and belonging across The Toro Company and within our communities.



Black History Month: WeSpire Challenge

Black History Month became recognized by the Federal Government in 1976 to preserve, recognize, and honor the history and contribution of Black Americans.

Complete the [Black History Month WeSpire Challenge](#) by Friday, February 23 to be entered into a drawing for a gift card.

Black History Month: Virtual Bingo

Sign up to participate in [Black History Month Virtual Bingo](#) and get your virtual bingo card. **Employees from ALL TTC locations are welcome to play!**

Here's how gameplay works: Starting **February 8** participants will receive two emails per week (on Tuesdays and Thursdays) during North American business hours (9:00 AM - 5:00 PM CST) with names, images and facts about important figures in Black history. Match them up to the pictures on your card throughout the month. If you get **five in a row by February 29**, your card is a winner! Winning cards should be returned to David & Emily by **no later than March 1 at 11:59 PM CST**. All winning cards will be entered into a drawing for a gift card.

Questions? Reach out to [David Ohene-Frimpong](#) or [Emily Gresbrink](#)



Transpira Takes Top Honors at IA Show

Congratulations Toro Ag Team!

Toro TRANSPIRA™ has been awarded the **2023 New Product of the Year Award** in the Agriculture Irrigation Category by the [Irrigation Association](#). This recognition is a testament to T commitment to advancing innovation and sustainability within the agricultural industry.



2024 TTC Tech Forum Coming May 6-9

Connect, Collaborate & Inspire

Planning is underway for the **2024 TTC Tech Forum**. This event will spark discussions, provide an internal learning experience, and increase social/interpersonal connections across the TTC technology community. In-person and virtual options will be available.

Interested in attending? Complete the [EARLY INTEREST FORM](#) by **February 9**.



eProStripe® 560 Launches at BTME & SFMA Shows

For sports and fine turf applications

Launched this month at the [BTME show](#) in the UK, concurrently with the [SFMA show](#) in Orlando, FL. The **eProStripe** adopts our 60V Flex-Force battery technology in a new twin-battery powerhead, also supporting an independent electronic transmission system, dubbed 'MatchDrive™'.

The eProStripe is ideal on sports fields for the removal of debris and divots and for cutting-in new pitches when it is too wet for heavier mowers to be used. And...the allure of reduced sound from the electric motors and striped finish proved to be very tempting!



Technology Centre in India Reaches Headcount Milestone

To celebrate the Toro Technology Centre India LLP reaching the milestone of 100 employees, the team held a celebration. Rick Olson addressed the Team from the U.S. and Kurt Svendsen brought team about the upcoming opportunities and events for TTC. Congratulations to the growing team in India!



Starting Your Seeds Indoors



Winter is still here, but warmer weather will be here before you know it. Since it's never too early to start planning out your garden, check out this [Backyard Life](#) article starting seeds indoors, so you are ready once the growing season gets going.



How to Revive Grass After Winter



Restore your grass's vitality post-winter with Yardcare's comprehensive guide. With key steps like raking, dethatching and proper fertilization you will have a lush lawn by summer!



Take Your Goals to the Next Level

Now that you've finalized your **F24 performance and development goals**, set up a system that allows you to succeed. This issue provides great resources to start building the habits to take you to the next level, including **Atomic Habits**, managing yourself and overcoming procrastination.



February Sessions

Mark your calendar!

Don't miss out! This month's session topics include Wellbeats, the upcoming Zambia immersion trip, staying healthy while dining out and bridging generational gaps.



February 6 | 1 – 2PM CT
February 21 | 11 – 12PM CT
Lizzie Streit: Stay Healthy When Dining Out

Dining out when you're working on healthy eating can be challenging. In this session, we'll discuss ways to approach restaurant menus, what to eat before and after dining out, an have enjoyable, stress-free experiences that can fit into your routine.

>> [Add February 6 session to your calendar.](#)
>> [Add February 21 session to your calendar.](#)



February 14 | 12 – 1PM CT
February 27 | 11 – 12PM CT
SandCreek: Bridging Generational Gaps

Workplace tensions can arise when people of different generations, working side by side, don't understand each other. Diffuse tension at work by learning about the differences at team members of all ages and appreciating those differences. Learn how to interact with members of each generation in a way that suits their work ethic and communication style

>> [Add February 14 session to your calendar.](#)
>> [Add February 27 session to your calendar.](#)



February 20 | 12 – 1PM CT
Zambia Immersion Trip Informational Session

As many are now aware, TTC and iDE are returning to Zambia this fall! Come join us as we kick off this years' experience and learn what to expect in the coming months. We will entire program, from how to find the application, to the logistics of getting there and back and what the overall agenda might look like. We are excited to continue our partnership \ Global in this international effort and can't wait to share with you all how you can get involved.

>> [Add session to your calendar.](#)



February 28 | 12 – 1PM CT
Wellbeats – Virtual Benefit for Employees

Wellbeats Wellness is an on-demand fitness, mindfulness, and nutrition platform build for business employees. It stores over 1,200 classes for all ability levels with more added r You can customize your personal wellness journey, whether you are focusing on healthy eating, mindfulness, strength training, dance, or a variety of other areas of your life. This included in our Total Rewards Benefits and aims to empower all employees of TTC and their families to live happier, healthier lives. Tune in to learn more and get started on the p today!

>> [Add session to your calendar.](#)

All sessions will be delivered through Microsoft Teams.

- For more information, check out the updated [TTC Talks 2024 Schedule](#) or the [TTC Talks page on VHQ](#)
- Please reach out to corp.training@toro.com with questions.

Please note that at this time live sessions are only available to U.S. office employees.



60V MAX Flex-Force eTimeCutter™



You've never seen or heard a TimeCutter like this before. The new 60V Max* TimeCutter comes equipped with all the features and power you expect from Toro now available in battery.

STARBASE Minnesota: Registration Open

[STARBASE Minnesota](#) Next Generation Summer Program inspires learning, sparks curiosity and fuels a passion for STEM! The program is open to TTC employee children and grandchildren entering grades 4, 5 or 6 in fall 2024. If you are interested in volunteering please reach out to [Thea Longtin](#) or [Kelly Kessler](#).



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