



## WE18 TOURS

WE18 offers a wide variety of Technical and Sightseeing tours that will enrich your conference experience.

If you are looking for first-hand knowledge of the inner-workings and innovations of our industry partners, be sure to sign up early for a technical tour.

Or, if you are looking to just relax and have some fun, check out the exciting lineup we have as part of our sightseeing tour group. These tours are “made in Minnesota” and arranged just for you!

### Technical Tours:

Technical tour are limited to (1) ticket per person and available to attendees only. You must be over 18 years of age to attend a technical tour. Please read all restrictions as noted per company. For additional questions, please do not hesitate to contact [conferencemanager@swe.org](mailto:conferencemanager@swe.org).

#### TT01

##### **Cummins Inc. Plant Tour**

Wednesday, October 17, 2018 – 8:30 - 11:30 a.m.

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$49.00; Limit: 35

This one of a kind experience will include a viewing of product line assemblies, product familiarization followed by a tour of the Acoustical Testing Center - Largest engine-testing facility of its kind in the world. Also view the hemispherical anechoic (no echo) chamber, which eliminates external noise interference or input. Additionally, tour participants will be able to start up and run the Generator set. This is a do-not miss experience!

*Closed-Toe shoes are mandatory.*

Cummins will provide the following to the group:

- Safety Steel Toe Cap
- Safety Vest
- Safety Glasses

#### TT02

## **Stratasys, Inc.**

Thursday, October 18, 2018 – 9:15 - 12:30 p.m.

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price; \$49.00 Limit: 40

This tour starts with a viewing of the customer experience room, where you will learn about the company, the products they make, and where they are going as a company. This will be followed by a tour of the facility. Note that snacks will be provided on site. Must be ITAR approved. No photos allowed.

## **TT03**

### **Eaton Hydraulics Tour**

Thursday, October 18, 2018 – 9:30 -1:00pm; includes lunch

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$49.00 Limit: 40

Participate in hands on demonstration of a full-size truck and crane to see different hydraulic modes of operation in action. The advanced mobile valve on this vehicle uses independent metering and embedded electronics to simplify the hydraulic system architecture.

The vehicle also demonstrates a variety of the newest and most advanced electronic control products. Take part in a synchronized motion demonstration. This demonstration shows how two cylinders can be synchronized via hydraulic valves and position feedback to accurately press a logo onto a bottle opener.

See an embedded electronic demonstration that commands a video camera via a remote handset and displays the video feedback. There will be a demonstration of how software can be written to run this demo. Tour Eaton's noise and vibrations chamber to learn more about the importance of creating quieter products. Learn how Eaton is using 3D printing capability to improve manufacturing processes. Witness a virtual reality forklift demo.

## **TT04**

### **Medtronic Medical Device Manufacturing in a Lean Environment**

Thursday, October 18, 12:30 – 3:00pm.

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$49.00 Limit: 40

Learn about the components that enable cardiac rhythm and neuromodulation therapies such as pacemakers, internal cardiac defibrillators and neurostimulators. During the overview, you will hear about our over 40 years history of taking the energy components that fuel these live saving and improving devices from research thru development to

production. You will also learn about our journey of continuous improvement including transitions to Cell Operating Systems (COS).

Tour Rules/Restrictions:

No employees of direct competitors to Medtronic PLC will be allowed in the tour and no photography is allowed inside of the building. A list of participants names and companies is requested at least 48hrs in advance such that name badges can be prepared ahead of time. Participants will need to show a government issued picture ID, such as a driver's license, when entering our reception area. This will be a walking tour, viewing our processes from manufacturing room windows.

## **TT05**

### **Emerson Global Headquarters**

Thursday, October 18, 2018 – 8:30 a.m. – 1:00pm

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$49.00 Limit: 40

Join this exclusive tour of the new Emerson global headquarters for Rosemount products in Shakopee, MN. See Emerson quality processes first-hand. You will learn how we drive quality and innovation by collaborating between manufacturing locations, implementing rigorous quality processes and working together across engineering, marketing, design, production and supply chain employees. The visit includes a tour of the manufacturing floor, a first look at Emerson's newest Interactive Plant Environment class facility, a stop in the Customer Solutions Center, and a reception where you will be able to interact with Emerson executives and engineers responsible for Rosemount products.

You will:

- Walk through the manufacturing floor where quality manufacturing processes sync up to produce world-class products in over 200,000 sq. ft. of manufacturing space
- Engage with technical experts and engineers who will show you our total assembly and testing processes
- Learn how millions of transmitter assemblies are configured and calibrated to customer specifications
- See where temperature, level, flow, pressure, wireless and analytical devices are assembled
- Experience 10 years of wireless instrumentation success, primary production and final assembly

### **Interactive Plant Environment (IPE)**

- View the largest of two North American hands-on facilities where users can work on live Rosemount products in a safe, real-world environment
- See how technicians can enhance their skills, work freely and find solutions, in a simulated and safe environment
- Experience how learners will gain experience with Emerson equipment used on the job

### **Customer Solutions Center**

- Visit the new Customer Solution Center, where customers collaborate with Emerson to find innovative solutions to their toughest challenges and discover how to increase reliability, optimize production, improve safety and minimize emissions
- Experience the collaboration wall, an innovative way to solve problems faster
- Understand how Emerson collaborates globally with customers, global manufacturing facilities and engineers, while connecting with sites from anywhere in the world

After the tour, we will have a short lunch at a local brewery to see the devices that you saw manufactured installed and in use.

### **TT06**

#### **Target Corporation**

Thursday, October 18, 2018; 9:00 – 11:30 a.m. (subject to change)

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$49.00 Limit: 40

Visit Target Headquarters in the heart of Minneapolis! On this tour you will have the unique opportunity to explore the home of the bullseye and hear directly from Team Members about Target's culture and key initiatives.

### **TT07**

#### **3M**

Thursday, October 18, 1:30 – 3:30 p.m. (subject to change)

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$49.00 Limit: 40

Join us for a once in a lifetime experience at the 3M Innovation Center and you'll never look at the word "innovation" in the same way again. Immerse yourself in an exclusive

world of innovation featuring a range of technologies underlying the thousands of products developed by 3M Company .

From the rubber sole on Neil Armstrong's shoes, to components of the most advanced electronics and medical devices, 3M's technology supports the company's vision of advancing every company , enhancing every home, improving every life. For a view into some of 3M's innovation stories, visit [http://solutions.3m.com/innovation/en\\_US/stories](http://solutions.3m.com/innovation/en_US/stories).

The 3M Innovation Center, located at the company's global headquarters in Saint Paul, Minnesota, is one of many Global Technical Centers located in more than 30 countries worldwide . Designed to showcase the breadth and depth of the rich and diverse technologies, processes and products 3M has created, these centers bring to life the spirit of 3M Innovation.

At the very heart of the Innovation Center is the World of 3M Innovation. Through dynamic displays and interactive, hands-on demonstrations, you will have the opportunity to collaborate with 3M and enter a world where anything is possible - you will see previously unknown technologies and fascinating, practical real-life applications. A team of highly trained, informative hosts from a variety of 3M technical and professional backgrounds will guide you on the journey of discovery. Color, sound, design.

### **TT08**

#### **Boston Scientific Maple Grove Facility**

Wednesday, October 17, 12:30 – 3:30 p.m. (subject to change)

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$49.00 Limit: 40

Boston Scientific transforms lives through innovative medical solutions that improve the health of patients around the world. Come visit us at our Maple Grove campus where you will get a chance to hear from leaders and employees about our unique culture of innovation and our award winning spirit. You will get to tour our campus, visiting labs and our production facility, where our employees bring our products to life every day.

Tour Rules/Restrictions:

No open-toe shoes/sandals.

### **TT09**

#### **Cargill Research and Development- Diverse Careers along the Agricultural Supply Chain**

Wednesday, October 17, 1:00 p.m. – 4:30 p.m.

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$49.00 Limit: 40

Cargill is one of the largest privately held corporations in the world with the mission of nourishing lives. For employees, that means producing food ingredients and other products, managing risk and finding sustainable solutions to challenges facing our world. Cargill employs a diverse staff of STEM talent ranging from PhD Biotechnologists to Data Scientists, Food Scientists and Engineers. We are offering a tour of the recently opened Minneapolis Research and Development Center to showcase the diversity of technology that Cargill touches. There will be a general building tour provided by Cargill engineers and scientists to showcase the facilities and lab capabilities, as well as three stations focused on highlighting different product categories and technologies: personal care, food sensory and fermentation/biotechnology.

### **Sightseeing Tours:**

*Sightseeing Tours are not limited to one person, but a registered attendee must buy the tickets if bringing family members. All costs include bus where applicable. Note that some tours are restricted to attendees 21 and older.*

#### **SS01**

##### **Heart of Minneapolis Food Tour**

Wednesday, October 17, 2018 - 10:30 a.m. – 1:30 p.m.

Bus Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$75.00 Limit: 45

Heart of Minneapolis food tour: Stroll through the "Broadway" Theatre district. Enjoy VIP service at some of the newest and hottest, award winning restaurants downtown. Sample and learn the art of local beer making with a local brewery. Visit quaint eateries that have pride in local ownership. You'll leave the tour with a tasty experience of some of the best food finds Minneapolis has to offer while learning the history of downtown and soaking in the local culture.

#### **SS02**

##### **Sea Life – VIP Experience and Mall of America**

Wednesday, October 17, 2018 - 11:30 a.m. - 3:30 p.m.

Bus: 10 miles, 15 minutes

Price: \$75.00 Limit: 40

Mall of America! Included is a ticket to Sea Life which includes a wide variety of fish in our 1.3-million-gallon aquarium. Also included is 45-minute guided tour that will take you up on deck above our tunnel system where you can see animals that are currently off-exhibit. You will explore the laboratory to find out how we treat and maintain the 1.3 million gallons of water that make up the aquarium. Finally, you will go in to our food prep kitchen to see what we feed our thousands of creatures in order to keep them healthy and strong. Afterwards, you are able to enjoy some time exploring the Mall of America before the bus departure back to the convention center.

### **SS03**

#### **Paisley Park Tour**

Thursday, October 18, 2018 - 9:15 a.m. – 12:30 p.m.

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Bus: 21.5 miles

Price: \$65.00 Limit: 40

Paisley Park is Prince's extraordinary private estate and production complex in Chanhassen, Minnesota. Fans will have the unprecedented opportunity to experience first-hand what it was like for Prince to create, produce and perform inside this private sanctuary.

### **SS04**

#### **Bitter Minnesota Brewery Tour**

Friday, October 19, 2018 - 5:30 p.m. – 9:30 p.m.

Walk - across the street from Convention Center

Price: \$110.00 Limit: 35

All- Inclusive craft Beer Tasting Tour takes you to 3 amazing Minneapolis craft beer destinations. Lakes & Legends Brewing, Fair State Brewing Cooperative and Bauhaus Brew Labs. You will get lots of delicious local craft beer, safe transportation on a little blue bus, a fun tour guide / driver, pretzels to snack on, bottled water and coolers to store your growlers.

### **SS05**

#### **Minnesota Country Side Winery Tour**

Saturday, October 20, 2018, 11:30 am – 5:30 pm

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$130.00; Limit: 28

Sit back, relax and allow our knowledgeable tour guide to take you to Minnesota's best wineries right outside of the Twin Cities! Tour includes 2 to 3 wineries.

## **SS06**

### **Mississippi River Sightseeing and Lock Lunch Tour**

Saturday, October 20, 2018, 1:30 pm – 4:00 pm

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)  
Bus, 2.3 miles, 10 min

Price: \$65.00 Limit: 40

A cruise along the Mississippi River aboard an authentic paddle-wheeler with Lunch included. This narrated cruise will take you along the southern route of the Grand Rounds Scenic Byway and Heritage Trail system, along the University of Minnesota Campus riverfront, under the stunning 35W Bridge, through the lower St. Anthony Falls Lock system showcasing views of the St. Anthony Falls, the historic Stone Arch Bridge, amazing river bluffs with views of the amazing downtown Minneapolis skyline as we show you the best Mississippi River has to offer. Lunch Menu includes an assortment of chicken salad, turkey breast, and baked ham sandwiches, served with homemade coleslaw, fresh fruit, potato chips, pickle chips and our Paradise cookie and bar tray.

## **SS07**

### **Minneapolis Riverwalk Food Tour**

Saturday, October 20, 2018, 1:30 pm – 5:30 pm

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$75.00 Limit: 40

Explore one of the city's trendy and historical neighborhoods, Mill district and St. Anthony on Main in Northeast Minneapolis. Enjoy sampling food at the first Thai restaurant in Minnesota, home-made gelato, local brewed craft beer along the oldest street in Minneapolis. Mouthwatering pasta, cheese curds and amazing deserts as you stroll through the local farmers market.

## **SS08**

### **Craft Cocktail Crawl**

Saturday, October 20th, 2018, 5:30 – 9:30 pm

Departs from Minneapolis Convention Center Shuttle Bay (near Ballroom, main level)

Price: \$130.00 Limit: 24

Come jump on the bus to experience a guided tour to three of Minneapolis' distilleries and enjoy a fine hand-crafted cocktail at each distillery.