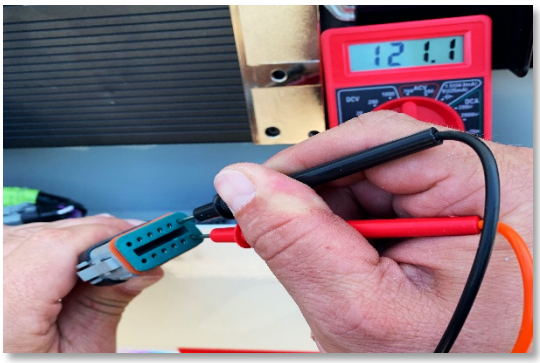
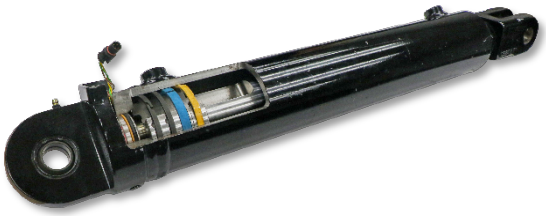
Nexteligence®
Connected-Tech Training

BRONZE SILVER GOLD PLATINUM





HEIL® A DOVER COMPANY

2021 Heil® Nexteligence® Connected-Tech Training

2021 Live Online Webinar MAT Training Schedule

Online Training Dates	Product	Time
January 5th, 6th, & 7th	DuraPack® Python®	9:00 - 11:30am CST
January 19th, 20th, & 21st	Half/Pack® w/ Odyssey® Controls	9:00 - 11:30am CST
February 2nd, 3rd, & 4th	**DuraPack** Rapid Rail®	2:00 - 4:30pm CST
February 16th, 17th, & 18th	Command-SST™	9:00 - 11:30am CST
March 2nd, 3rd, & 4th	**DuraPack Python**	2:00 - 4:30pm CST
March 16th, 17th, & 18th	**Half/Pack**	9:00 - 11:30am CST
April 13th, 14th, & 15th	**DuraPack Rapid Rail**	9:00 - 11:30am CST
April 27th, 28th, & 29th	**Half/Pack** w/ **Odyssey** Controls	2:00 - 4:30pm CST
May 11th, 12th, & 13th	**Command-SST**	9:00 - 11:30am CST
May 25th, 26th, & 27th	**Half/Pack**	2:00 - 4:30pm CST
June 8th, 9th, & 10th	**DuraPack Python**	9:00 - 11:30am CST
June 22nd & 23rd	**DuraPack** 5000	9:00 - 11:30am CST
July 27th, 28th, & 29th	**Half/Pack** w/ **Odyssey** Controls	9:00 - 11:30am CST
August 24th, 25th, & 26th	**DuraPack Rapid Rail**	2:00 - 4:30pm CST
September 21st & 22nd	PowerTrak® Commercial	9:00 - 11:30am CST
October 19th, 20th, & 21st	**Command-SST**	2:00 - 4:30pm CST
November 16th, 17th, & 18th	**Half/Pack** w/ **Odyssey** Controls	9:00 - 11:30am CST
December 14th & 15th	**DuraPack** 5000	9:00 - 11:30am CST

Note:

- Class duration = 2 to 2 ½ hours each day.
- Classes will start promptly at the listed start time each day.

Location:

Online

Enrollment Info:

For enrollment, contact your local Heil® dealer.
If you don't know who your local dealer is, visit www.heil.com/dealers

If you have any issue with enrollment, please contact
Casey Graden at cgraden@doveresg.com

Live Online Webinar Classroom Lesson Outline

1. **Safety.** General Safety is always a must from everyday activities to well beyond using and working on equipment. Safety must always come first, and be used and maintained at all times in everything we do.
2. **Major Components.** Location and system involvement of major components in the system.
3. **Electrical Symbols.** Learn electrical symbols to help understand circuits, certain ways electrical devices are wired and how they work are key elements for troubleshooting and understanding electrical schematics.
4. **How to Read Electrical Schematics.** Schematics are like road maps for electrical wiring showing detailed electrical routings and independent wire mapping. Learning how to read schematics will help you understand electrical circuits and where to find certain electrical connections. Reading Electrical Schematics is essential for troubleshooting Electrical applications.
5. **Hydraulic Symbols.** Hydraulic Symbols relating to components in the hydraulic system and hydraulic schematics.
6. **Hydraulic Schematics.** Hydraulic Schematics, like Electrical Schematics, are road maps for the Hydraulic Systems showing detailed hydraulic routings and independent mapping. Learning how to read schematics will help you understand hydraulic circuits and where to find certain hydraulic components and connections. Reading Hydraulic Schematics is essential for troubleshooting the hydraulic system.
7. **Controls.** Learn about Spool Valves and how they are used to direct fluid flow in Heil® hydraulic systems and other controls for operations.
8. **Remote Controller with Display.** Learn how to troubleshoot and navigate through the system using the Remote Controller with Display.
9. **Maintenance.** General maintenance practices, torque spec's, grease intervals, etc.
10. **Troubleshooting.** Learn how to use the Display and Service Manual to troubleshoot.
11. **Virtual "Hands On" Training.** 1 to 2 hours truck side, covering major components, how they are used, their location, and troubleshooting tips.

2021 Factory MAT Training Schedule

Factory Training Dates*	Product	Time
July 13th, 14th, & 15th	Half/Pack® w/ Odyssey® Controls	8am – 4pm CST
August 10th, 11th, & 12th	Command-SST™	8am – 4pm CST
September 14th, 15th, & 16th	DuraPack® Python®	8am – 4pm CST
October 5th, 6th, & 7th	**DuraPack** Rapid Rail®	8am – 4pm CST
November 2nd, 3rd, & 4th	**Half/Pack** w/ **Odyssey** Controls	8am – 4pm CST
November 30th, December 1st & 2nd	**DuraPack Python**	8am – 4pm CST

** Subject to change*

Note:

- Maximum number of students = 15
- Minimum number of students = 8
- If the minimum number is not confirmed 3 weeks prior to start of the class, then the class will be canceled.
- Class will start promptly at 8am CST each day.
- Students will be given a Service Manual for the product and a Service School Manual.

Location:

Heil Customer Support Center
4301 Gault Ave N
Fort Payne AL 35967

- Across from the Alabama National Guard on Gault Ave. (Not the main plant entrance on 45th street.)
- Parking is available in the upper and lower parking lot area.

Enrollment Info:

For enrollment, contact Casey Graden at cgraden@doveresg.com

Live Online Webinar Classroom Lesson Outline

Day 1 - Electrical

1. **Safety.** General Safety is always a must from everyday activities to well beyond using and working on equipment. Safety must always come first, and be used and maintained at all times in everything we do.
2. **Electrical Symbols.** Learn electrical symbols to help understand circuits, certain ways electrical devices are wired and how they work are key elements for troubleshooting and understanding electrical schematics.
3. **Understanding OHM's Law and the Power Formula.** Learn OHM's Law and the Power Formula will give you the ability to know the correct formulas for testing electrical components and knowing weather a device has failed without guess work.
4. **How to Use Multimeters.** Multimeters are a great tool to add to your toolbox and learning how to use Multimeters to troubleshoot electrical circuits will advance your ability to test electrical parts, test wiring for faults, find electrical problems with speed and accuracy.
5. **How to Read Electrical Schematics.** Schematics are like road maps for electrical wiring showing detailed electrical routings and independent wire mapping. Learning how to read schematics will help you understand electrical circuits and where to find certain electrical connections. Reading Electrical Schematics is essential for troubleshooting Electrical applications.
6. **Remote Controller with Display.** Learn how to troubleshoot and navigate through the system using the Remote Controller with Display.
7. **Electrical Test.** Testing helps us see the value of what we have learned and the reinforcement of the ability to apply it practically.

Day 2 - Hydraulic

1. **Safety.** General Safety is your responsibility. Appling safe practices, in everything we do will help keep you and others healthy and alert to our surroundings.
2. **Pascal's Law.** Learn about Pressure, Flow, Power, Viscosity and Pressure Drop in great detail as it applies to a Hydraulic System.
3. **Power Supplies.** Learn differences in Gear Pumps, Vane Pumps, Piston Pumps and effectiveness and efficiencies of each.

Live Online Webinar Classroom Lesson Outline

Day 2 - Hydraulic (continued)

4. **Controls.** Learn about Spool Valves and how they are used to direct fluid flow in Heil® hydraulic systems.
5. **Actuators.** Learn Different types of Hydraulic Cylinders, Motors and Rotary Actuators and what they do and how to calculate their abilities.
6. **Transmission.** Learn details about the transmission of fluid from point to point using Tubes, Hoses, and Fittings.
7. **Storage and Conditioning.** Details of Reservoirs, Filters, Strainers, Coolers/Heaters and the effects on the hydraulic system.
8. **Symbols.** Hydraulic Symbols relating to components in the hydraulic system and hydraulic schematics.
9. **Schematics.** Hydraulic Schematics, like Electrical Schematics, are road maps for the Hydraulic Systems showing detailed hydraulic routings and independent mapping. Learning how to read schematics will help you understand hydraulic circuits and where to find certain hydraulic components and connections. Reading Hydraulic Schematics is essential for troubleshooting the hydraulic system.
10. **Troubleshooting Techniques.** Learn helpful hands-on troubleshooting.
11. **Importance of Clean Hydraulic Systems.** Viscosity, contamination, controlling contamination, filter grading through micron and beta ratio formula.
12. **Hydraulic Test.** Testing helps us see the value of what we have learned and the reinforcement of the ability to apply it practically.

Day 3 – Specific Product Training

1. **Equipment Safety.** Safety is our number one goal at Heil® and we hope it is at your company as well. Learn the Operator and Service Manuals with safety descriptions regarding Notices, Cautions, Warnings and Dangers. Unit decal importance and care.
2. **Product Maintenance.** Learn Specific Product Maintenance Practices, Preventative Maintenance, Pressure Adjustments and Sensor Adjustments with the Product Service Manual review.
3. **Hands On Review and Operations.** Physically review and operations education on specific product when available.
4. **Heil® Plant Tour.** See how **Heil** turns flat steel into the worlds leading, most innovative refuse collection vehicles ever made.

Holiday Inn Express & Suites – Fort Payne, AL

Special Pricing for HEIL Training Students!

Contact Information:
112 Airport Road West
Fort Payne, Alabama 35968
United States

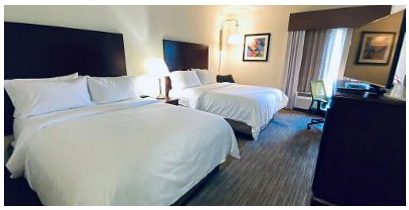
Director of Sales:
Darlene Temple / +1-256-997-1020

GDS Codes :

Hotel Code	**FTPAL**
GDS Chain	**EX**
Amadeus	**GAD1C6**
SABRE	**47745**
Galileo/Apollo	**17915**
Worldspan	**0454**

Holiday Inn Express
AN IHG® HOTEL

Holiday Inn Express and Suites Fort Payne is the Best of DeKalb Alabama, located off I-59 (exit 218).
This Quality of Excellence Award winner offers the perfect location for corporate and leisure travelers. To Go Breakfast, stay connected with IHG Connect, seasonal outdoor pool, newly installed bathrooms, 24-hr exercise facility, sundry shop, business center area, meeting room with AV equipment and the convenience of onsite laundry.



Fort Payne offers views with its location between Lookout Mountain and Sand Mountain. Enjoy a variety of outdoor activities such as Rock climbing, Repelling, Kayaking, Zip lining and trails through Little River Canyon and Desoto State Park. Enjoy a stroll through the Historic Downtown with many shops and eateries, like The Spot. Fort Payne is a stop along the World's Longest Yard Sale (in August) and Antique Alley (in May) that attracts thousands of travelers to the area.

Don't forget to stop by the Alabama Band Fan Club and Museum to view the many awards and collections from the Country Music Group of the Century. Our comfortable accommodations provide the amenities and services travelers expect!

Hotel Amenities

- Complimentary Self-Parking
- On-Site Business Center
- Outdoor Pool
- On-Site Fitness Center
- Complimentary Breakfast Buffet
- Off-Site Restaurant Delivery Available
- Walking Distance To Off-Site Restaurants
- Newly Renovated

Don't Forget

Be sure to let us know if you are an IHG Rewards Member. If not, let us sign you up and you will receive additional bonus points just for being part of the Heil® Training Group!

IHG® Hotels & Resorts
KIMPTON HOTELS & RESTAURANTS · Regent · HOTEL INDIGO · CROWNE PLAZA · HUALUXE · Holiday Inn · Holiday Inn Club Vacations · IHG Rewards Club
INTERCONTINENTAL · VOCO · STAYBRIDGE SUITES · CANDLEWOOD SUITES · avid · HOTELS · Holiday Inn Express

Hampton Inn – Fort Payne, AL

Contact Information:
1201 Jordan Road Southwest
Fort Payne, Alabama 35968
United States

TEL: +1-256-304-2600

We're just off I-59, half a mile from the DeKalb Regional Medical Center and Siemens Energy. Head a mile east on Glenn Boulevard into Fort Payne, where you can find local attractions and eateries like the Alabama Fan Club and Museum and the Vintage 1889 Cafe. Enjoy free daily hot breakfast and free WiFi.

Free breakfast | Free WiFi | Non-smoking rooms | Free parking | Indoor pool | Fitness center | Business center | Digital Key

Hilton HONORS

HEIL®
A DOVER COMPANY

WE NEVER STOP WORKING FOR YOU

HEIL SERVICE SHACK®

Visit the Heil® Service Shack for videos
https://www.heil.com/heil-service-shack

Thank You