



# Nexteligenz<sup>®</sup>

Connected-Tech Training



BRONZE



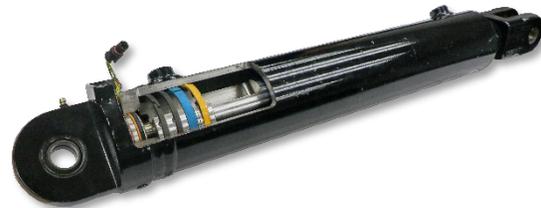
SILVER



GOLD



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## 2021 Heil<sup>®</sup> Nexteligenz<sup>®</sup> Connected-Tech Training



## 2021 Live Online Webinar MAT Training Schedule

Online Training Dates	Product	Time
July 27 <sup>th</sup> , 28 <sup>th</sup> , & 29 <sup>th</sup>	Half/Pack w/ Odyssey Controls	9:00 - 11:30am CST
August 24 <sup>th</sup> , 25 <sup>th</sup> , & 26 <sup>th</sup>	DuraPack Rapid Rail	2:00 - 4:30pm CST
September 21 <sup>st</sup> & 22 <sup>nd</sup>	PowerTrak <sup>®</sup> Commercial	9:00 - 11:30am CST
October 19 <sup>th</sup> , 20 <sup>th</sup> , & 21 <sup>st</sup>	Command-SST	2:00 - 4:30pm CST
November 16 <sup>th</sup> , 17 <sup>th</sup> , & 18 <sup>th</sup>	Half/Pack w/ Odyssey Controls	9:00 - 11:30am CST
December 14 <sup>th</sup> & 15 <sup>th</sup>	DuraPack 5000	9:00 - 11:30am CST

### Note:

- Multiple day class duration = 2 to 2 ½ hours each day.
- One day class duration = 7 hour +/- single class
- Classes will start promptly at the listed start time each day.

### Location:

Online

### Enrollment Info:

For enrollment, contact your local Heil<sup>®</sup> dealer.

If you don't know who your local dealer is, visit [www.heil.com/dealers](http://www.heil.com/dealers)

If you have any issue with enrollment, please contact the training department at [nexteligen@doveresg.com](mailto:nexteligen@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<sup>®</sup> 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 13 <sup>th</sup> , 14 <sup>th</sup> , & 15 <sup>th</sup> **	Half/Pack <sup>®</sup> w/ Odyssey <sup>®</sup> Controls	8am – 4pm CST
August 10 <sup>th</sup> , 11 <sup>th</sup> , & 12 <sup>th</sup> **	Command-SST <sup>™</sup>	8am – 4pm CST
September 14 <sup>th</sup> , 15 <sup>th</sup> , & 16 <sup>th</sup> **	DuraPack <sup>®</sup> Python <sup>®</sup>	8am – 4pm CST
October 5 <sup>th</sup> , 6 <sup>th</sup> , & 7 <sup>th</sup> **	<b>DuraPack Rapid Rail<sup>®</sup></b>	8am – 4pm CST
November 2 <sup>nd</sup> , 3 <sup>rd</sup> , & 4 <sup>th</sup> **	<b>Half/Pack</b>	8am – 4pm CST
November 30 <sup>th</sup> , December 1 <sup>st</sup> & 2 <sup>nd</sup> **	<b>DuraPack Python</b>	8am – 4pm CST

\* Subject to change

\*\* Final training day is only a "half day" and will conclude at 12pm CST

### **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 45<sup>th</sup> street.)
- Parking is available in the upper and lower parking lot area.



### **Enrollment Info:**

For enrollment, contact the training department at [nexteligenz@doveresg.com](mailto:nexteligenz@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 whether 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. Applying 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<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> Plant Tour.** See how Heil turns flat steel into the worlds leading, most innovative refuse collection vehicles ever made.





# Nextel Intelligence<sup>®</sup>

Connected-Tech Training



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## 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



AN IHG<sup>®</sup> 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<sup>®</sup> Training Group!



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## 2021 Heil<sup>®</sup> Nextel Intelligence<sup>®</sup> Factory Training



## 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



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**WE NEVER STOP WORKING FOR YOU**



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

# Thank You



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2021 Heil<sup>®</sup> Nextel Intelligence<sup>®</sup>  
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