



# Nextel Intelligence<sup>®</sup>

Connected-Tech Training



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## 2023 Heil<sup>®</sup> Nextel Intelligence<sup>®</sup> Connected-Tech Training



## 2023 Live Online Webinar MAT Training Schedule

Online Training Dates	Product	Time
September 19th, 20th, & 21st	DuraPack Python	9:00 - 11:30am CST
October 17th, 18th, & 19th	DuraPack Python	2:00 - 4:30pm CST
November 14th, 15th, & 16th	HalfPack w/Odyssey Controls	2:00 - 4:30pm CST
December 12th, 13th & 14th	Rapid Rail	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  
[nextelintelligence@doveresg.com](mailto:nextelintelligence@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.







## 2023 Factory MAT Training Schedule

Factory Training Dates*	Product	Time
September 5th, 6th, & 7th	HalfPack w/Odyssey Controls	8am – 4pm CST
October 31st, November 1st & 2nd	HalfPack Commercial	8am – 4pm CST
November 28th & 29th	RevAMP	8am – 4pm CST
December 5th, 6th, & 7th	DuraPack Python	8am – 4pm CST

- *Subject to change*
- *\*\* Final training day is only a “half day” and will conclude at 12pm CST. 3rd Eye training can be scheduled third day upon request.*

### **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 Student MAT Manual.
- This is a tobacco free facility.

### **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, email the training department at:

[nexteligen@doveresg.com](mailto:nexteligen@doveresg.com)





## Factory 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.





## Factory 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.
5. **3<sup>rd</sup> Eye class** can be added to the last half day upon request





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## 3<sup>RD</sup> Eye Training

Add the 3<sup>rd</sup> Eye Camera Training to the Nexteligen MAT training classes or sign up for the now offered live webinar classes!

Camera Training: 3 hrs.

7" monitor overview/operation

9" Recording monitor overview/operation

Heil interfacing Switchbox overview/operation



Digital Training: 3 hrs.

Digital System overview/operation

Verif-Eye overview



Your Partner in Safety



2023 3<sup>rd</sup> Eye<sup>®</sup> Nexteligen<sup>®</sup>  
Connected-Tech Training





## 2023 - 3<sup>rd</sup> Eye Live Webinar Training Schedule

3rd Eye Online / Webinar Training Dates	3rd Eye Product	Time
January 10th	3rd Eye Digital Training	12 pm - 4 pm
January 24th	Camera Training	12 pm - 4 pm
February 7th	3rd Eye Digital Training	12 pm - 4 pm
February 21st	Camera Training	12 pm - 4 pm
March 14th	3rd Eye Digital Training	12 pm - 4 pm
March 21st	Camera Training	12 pm - 4 pm
April 4th	3rd Eye Digital Training	12 pm - 4 pm
April 18th	Camera Training	12 pm - 4 pm
May 2nd	3rd Eye Digital Training	12 pm - 4 pm
May 16th	Camera Training	12 pm - 4 pm
May 23rd	3rd Eye Digital Training	12 pm - 4 pm
June 6th	3rd Eye Digital Training	12 pm - 4 pm
June 20th	Camera Training	12 pm - 4 pm
July 11th	3rd Eye Digital Training	12 pm - 4 pm
August 22nd	Camera Training	12 pm - 4 pm
September 5th	3rd Eye Digital Training	12 pm - 4 pm
September 19th	Camera Training	12 pm - 4 pm
October 3rd	3rd Eye Digital Training	12 pm - 4 pm
October 17th	Camera Training	12 pm - 4 pm
October 31st	3rd Eye Digital Training	12 pm - 4 pm
November 14th	Camera Training	12 pm - 4 pm
November 28th	3rd Eye Digital Training	12 pm - 4 pm
December 12th	Camera Training	12 pm - 4 pm



### Enrollment Info:

For enrollment, contact the training department at  
[nextelintelligence@doveresg.com](mailto:nextelintelligence@doveresg.com)





## 2023 - 3<sup>rd</sup> Eye Factory Training Schedule

- Conducted at Heil Training Facility on the final day of the Heil Factory MAT training
- Only available as an add on purchase option to the Heil MAT training

Factory 3rd Eye Training Dates*	3rd Eye Product	Time
January 12th	Camera Training	12pm – 4pm CST
February 9th	Camera Training	12pm – 4pm CST
March 16th	Camera Training	12pm – 4pm CST
April 6th	Camera Training	12pm – 4pm CST
May 4th	Camera Training	12pm – 4pm CST
August 10th	Camera Training	12pm – 4pm CST
September 7th	Camera Training	12pm – 4pm CST
October 5th	Camera Training	12pm – 4pm CST
November 2nd	Camera Training	12pm – 4pm CST
November 30th	Camera Training	12pm – 4pm CST



### Enrollment Info:

For enrollment, contact the training department at  
[nextelintelligence@doveresg.com](mailto:nextelintelligence@doveresg.com)



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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® 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! Ask for the Heil/Dover discount!



**IHG®** Hotels & Resorts



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**2023 Heil® and 3rd Eye® Nextel Intelligence®  
Connected-Tech Training**



## Hampton Inn – Fort Payne, AL

*Use Code – Donald Dover*

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



Visit the 3<sup>rd</sup> Eye<sup>®</sup> Service Shack for videos  
<https://www.3rdeyecam.com/3rd-eye-technical-support-videos/>

# Thank You



2023 Heil<sup>®</sup> and 3<sup>rd</sup> Eye<sup>®</sup> Nextelintelligence<sup>®</sup>  
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