

The logo for 'here' is a dark blue square with the word 'here' in white lowercase letters, tilted at an angle. A small white triangle points to the left, positioned above the 'h'.

Tech-powered solutions for a more sustainable supply chain



What's inside?

Give sustainability the green light

Sustainability is good for the environment, your reputation and your bottom line. But where do you begin? When it comes to improving sustainability within your supply chain, whether it's energy efficiency, ethical sourcing or reducing your carbon footprint, turn to technology.

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Transforming what we use

Digitization is shaking up legacy processes and rapidly transforming supply chains. Recent studies have found that digital transformation can reduce supply chain costs – even up to half.



The case for paperless

Industry heavy hitters are going digital, weeding out legacy processes and striving for paperless or paper-saving initiatives. However, many supply chain professionals still rely on manual processes and paper documents. Paper-saving initiatives not only save trees, but also save companies time and money.

What other projects could your employees be doing if they weren't collecting signatures by hand and mailing and filing paper invoices, contracts and receipts? Which, by the way, leaves a lot of room for human error, as a single data entry mistake in a spreadsheet can have a significant impact that compounds over time.

If something unexpected does occur, you must trust that the manual steps were documented properly and hope that you're in the office so that you can locate the necessary documents out of the file cabinet. That's more than enough to put you behind when it comes to contacting your customer for a timely update.

Contemplating where to begin the shift to paperless? Many companies start with warehouse management documents, shipping manifests and customer-centric documents such as invoices, statements, updates and receipts.



Opt for smarter tools

Knowledge is power. Before you can reduce waste and optimize your resources, you must first understand the full scope of your supply chain's impact. Location intelligence is a base requirement for any higher levels of supply chain enhancement. It helps paint the most accurate picture of your supply chain through improved visibility.

Now you know where assets are, where they are going, when they will arrive, and which areas are in need of improvement.

By leaving behind legacy, manual processes, location-intelligent supply chains can benefit from superior data collection and are better positioned to adopt smarter solutions in the future.



“Many companies are still using paper to manage their supply chains. There are silos, miscommunications and managers operating on a reactive, rather than a proactive basis. Companies are losing huge amounts of money and time due to inefficiencies.”

Peter Kueth, Senior Product Marketing Manager, HERE Technologies



Evolving the way we think

You've successfully implemented some baseline sustainability initiatives for conserving your resources, optimizing your procurement processes and reducing waste. The next step is to utilize data science to deepen the impact and extend your reach.

Data science delivers a higher degree of transparency across your entire supply chain in the form of valuable analytics. The analytics can then be measured, examined and — with the right tools — transformed into business insights. Those tools, artificial intelligence (AI) and machine learning (ML), sift through the collected data uncovering patterns and making predictions to help guide your business decisions.



Grow from planning to predicting and beyond

Researchers at MIT are testing AI and ML for store inventory management helping to predict when something will go out of stock and why.* Data-driven inventory management helps reduce waste and leads to a smarter, more sustainable business. One major fashion retailer is also putting AI to work to calculate demand forecasts and reduce waste in its ongoing effort to increase sustainability.

Applying technological solutions to optimize manual, day-to-day operations is a great strategy to save time, money and resources. For instance, let's say you own a warehouse filled with product that is the length of four football fields. You discover GPS technology isn't effective inside and will not disclose specific information, such as the asset your employee is looking for is in an area too

* <https://ctl.mit.edu/research/current-projects/artificial-intelligence-and-machine-learning?current=/node/3397>

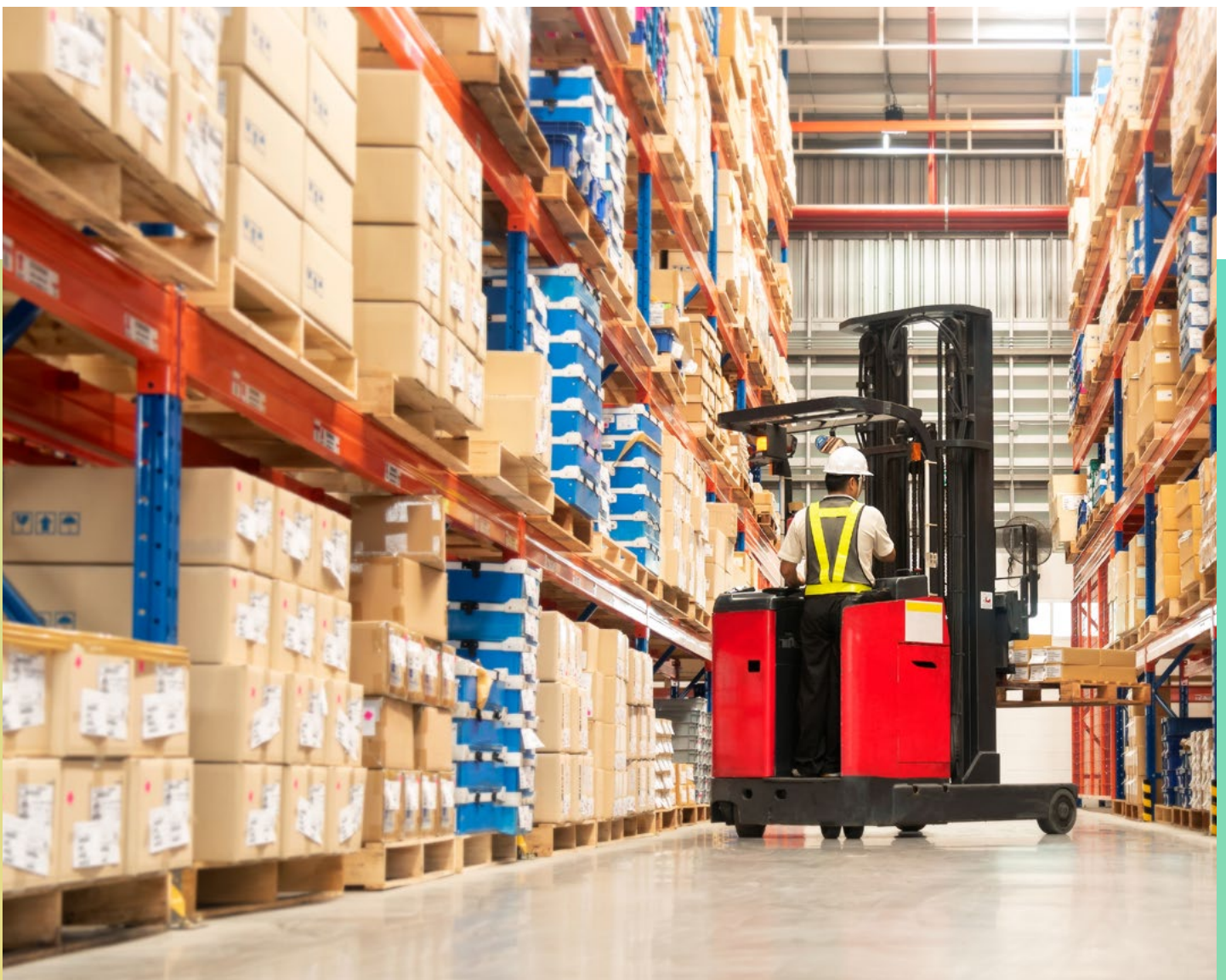


narrow for their forklift or perhaps up a flight of stairs. Therefore, in order to locate assets, you need to devote a significant portion of time and staff for tracking and retrieval. This leaves less time and fewer resources to complete other projects or action items on your list.

Fortunately, indoor mapping from HERE provides routes optimized for vehicles such as forklifts, helping improve warehouse management and overall operational efficiency. The best part? This is a true success story shared with one of our partners, Crave InfoTech.

Every improvement that boosts efficiency, reduces waste and optimizes assets is a win for sustainability – and this is only possible because of the visibility gained from location-intelligent solutions.

Not only does location technology generate vital information on its own, but when working in conjunction with data science, AI and ML, it provides crucial context to collected data, helping you make the most informed decisions possible.



Location intelligence is the common denominator

Sustainable resources, waste reduction and better metrics for improved decision-making are only achievable with location intelligence.

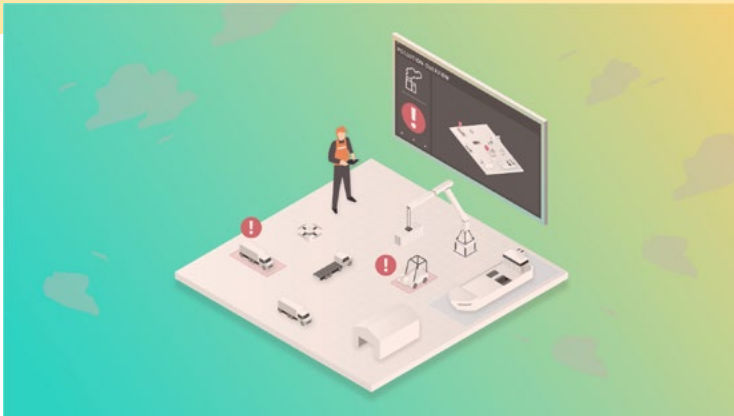


Before you can reduce the carbon footprint of your supply chain, you need to understand your footprint and the best levers for optimization. Businesses cannot implement sustainability measures and stay competitive without first using visibility to truly comprehend their impact.

Complete, end-to-end visibility allows you to home in on operational inefficiencies, spot risks and tackle challenges before they worsen. Once you have an accurate picture of your overall supply chain, tech solutions can help transform those areas into wins.



The road to supply chain sustainability



Going green

You're ready to reduce carbon emissions for a more sustainable supply chain. But where to begin?



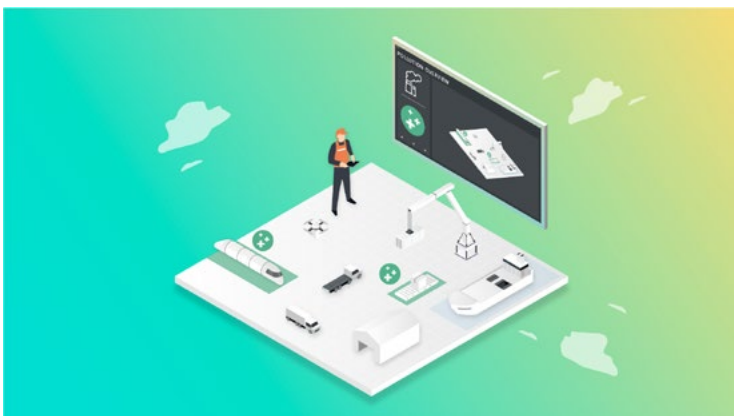
Visibility is key

A 360-degree view of your supply chain helps flag areas for improvement and highlights things you may already be doing.



Smarter alternatives

Whether it's cleaner energy, replacing long-haul trucks with trains or route optimization, better transparency will make your options clearer.

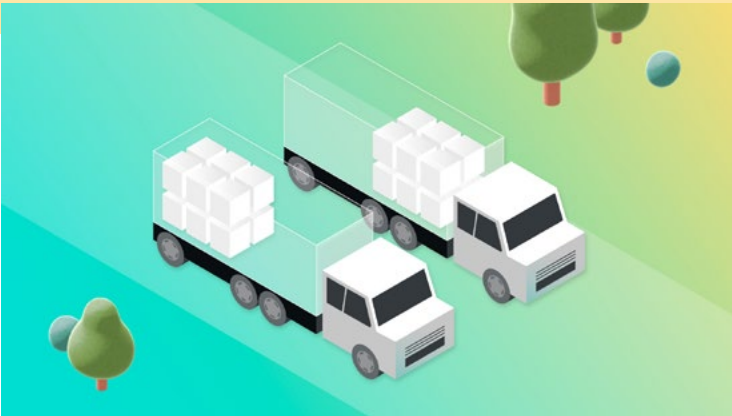


Making an impact

Sustainability is good for the world and good for business. Now that's positive change you can see.



Solving supply chain mysteries



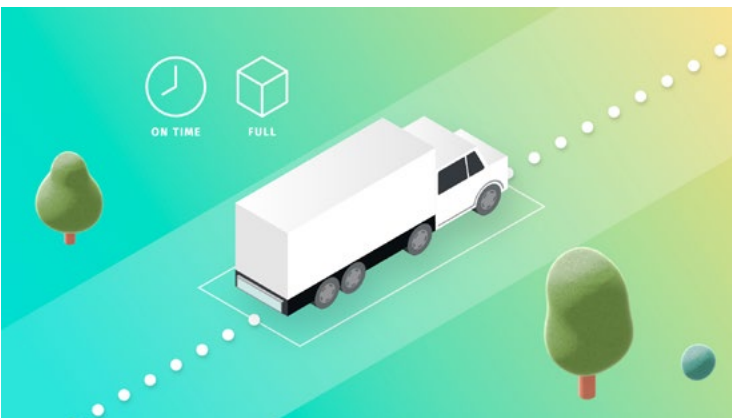
The age-old question

When it comes to sustainability and freight capacity, there is no winner to the riddle “is it half empty or half full?”



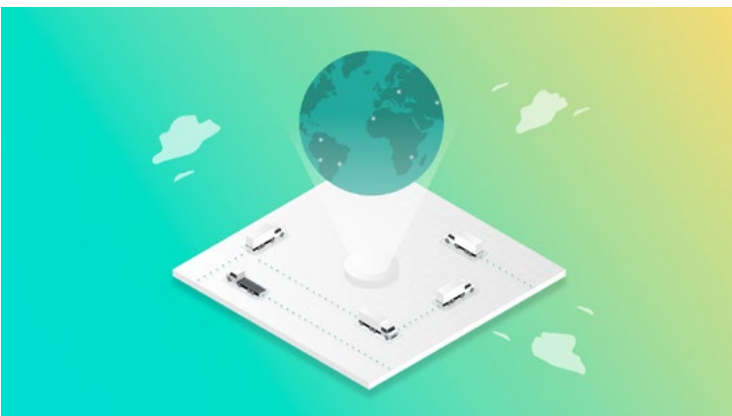
Put location intelligence to work

Seamless outdoor-to-outdoor asset tracking enables optimization in your warehouse, on the road and beyond.



Benefit from complete traceability

Maximize freight capacity, reduce waste and provide your customers with more accurate ETAs.



Running on efficiency

Fuel proactive, sustainable decisions for your fleet with better visibility, leaving you time to ponder life’s other big mysteries.



Bringing visibility to the yard

Leogistics is optimizing yard management. They realized customers were looking for greater efficiency and better transparency within the yard. By combining location intelligent solutions from HERE with yard management location data, they are able to reduce truck check-in and dwell times and provide an environment of complete yard visibility.



“Transparency, for me, is one of the most critical success factors for an integrated supply chain, because without transparency, you will not be able to manage your processes.”

André Kaeber, CEO, Leogistics



Barriers to adoption

- Without being a data scientist, it could be challenging to visualize what might be possible with big data analytics
- Lack of buy-in from leadership and/or across departments
- Lack of collaboration between teams
- No established process for evaluating and implementing data insights
- Poor visibility and asset traceability



Action items

- ✓ Establish a long-term sustainability action plan with strategic goals
- ✓ Evaluate your current procurement processes
- ✓ Assess cost-saving strategies and determine which are right for you
- ✓ Break down siloes and start a company-wide sustainability discussion – talk to everyone and listen
- ✓ Understand your baseline with the visibility gained from location intelligence



Final thoughts

Sustainability is the responsible thing to do, but it also presents you with real opportunities for further optimization and savings.

Now is the time to transform your supply chain.

Starting your journey with complete supply chain visibility empowers you to gain the most accurate understanding of your operation's baseline.

The technological solutions we discussed, fueled by location intelligence, will strengthen your sustainability initiatives and create meaningful, lasting impact.



You may also be interested in:



5 supply chain visionaries on how to stay ahead

[DOWNLOAD THE GUIDE](#) →



Putting machine learning to work to optimize warehouses

[SEE HOW](#) →



The billion-dollar problem: Asset tracking and visibility

[IN-DEPTH LOOK](#) →



Learn the future of human labor in supply chains

[READ THE BLOG](#) →

Ready to discover what else location intelligence can do for you?

[Get in touch](#)

About HERE Technologies

HERE, a location data and technology platform, moves people, businesses and cities forward by harnessing the power of location. By leveraging our open platform, we empower our customers to achieve better outcomes – from helping a city manage its infrastructure or a business optimize its assets to guiding drivers to their destination safely. To learn more about HERE, including our new generation of cloud-based location platform services, [360.here.com](#) and [here.com](#).