SONY

How to create a sustainable supply chain with IoT

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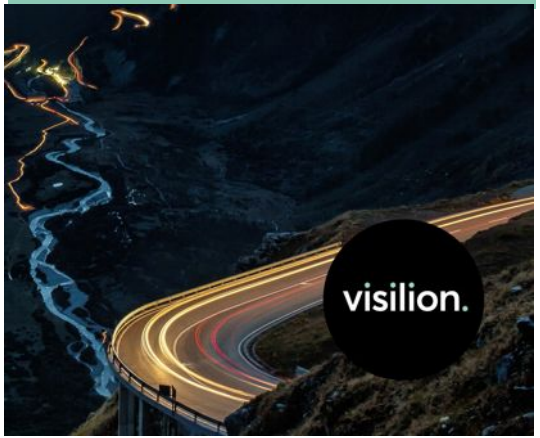
Sony Network Communications Europe

Visilion



mSafety

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Challenges faced by logistics & supply chain managers

- Tracking supplies in the value chain
- Understanding supply chain risks in real-time and acting pre-emptively
- Dealing with disruptions and bottlenecks
- Optimising distribution capacity
- Eliminating inefficiencies
- Reducing working capital

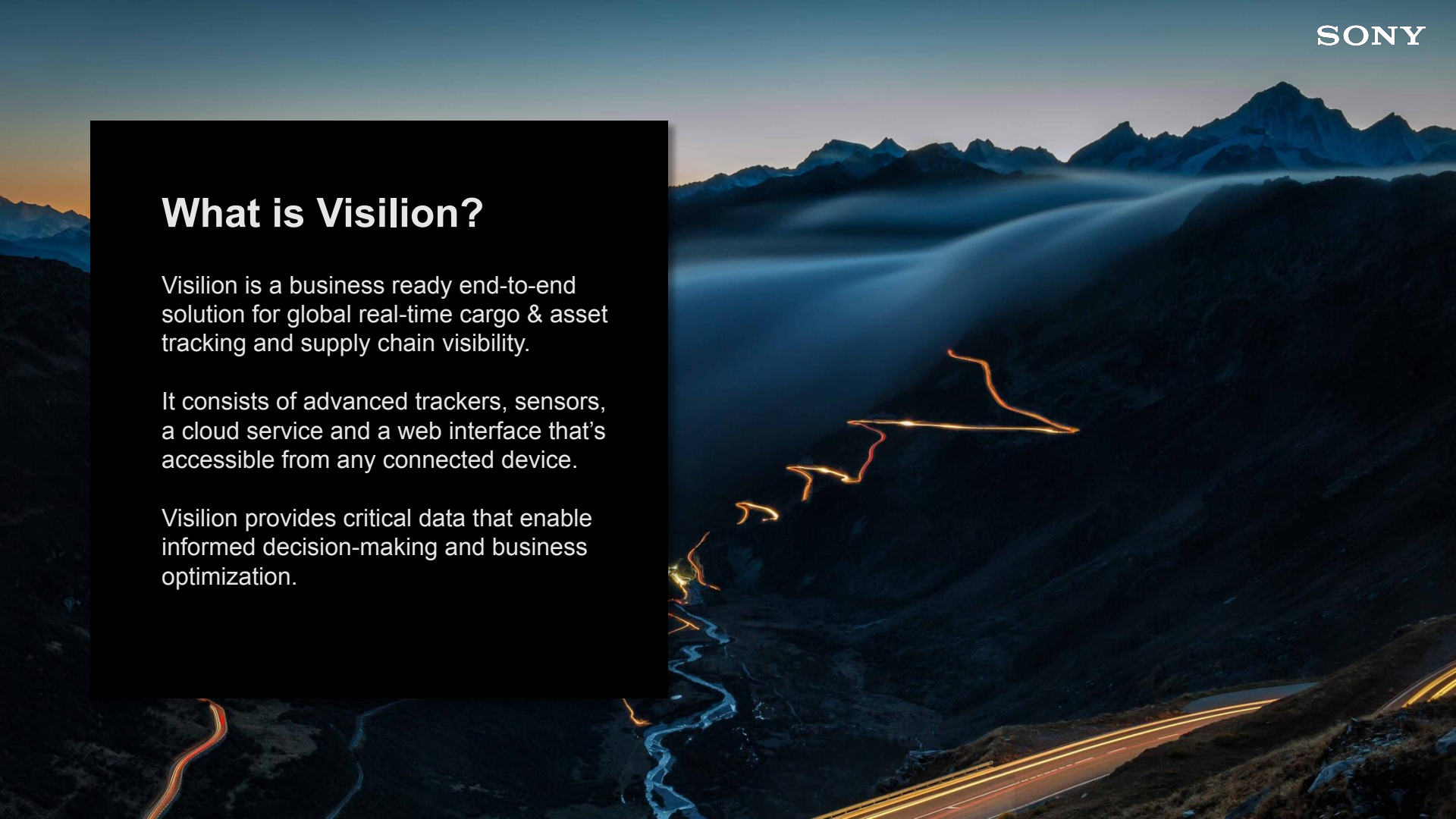
Visilion provides you with important information to answer the questions

Where

When

How

visilion.



What is Visilion?

Visilion is a business ready end-to-end solution for global real-time cargo & asset tracking and supply chain visibility.

It consists of advanced trackers, sensors, a cloud service and a web interface that's accessible from any connected device.

Visilion provides critical data that enable informed decision-making and business optimization.

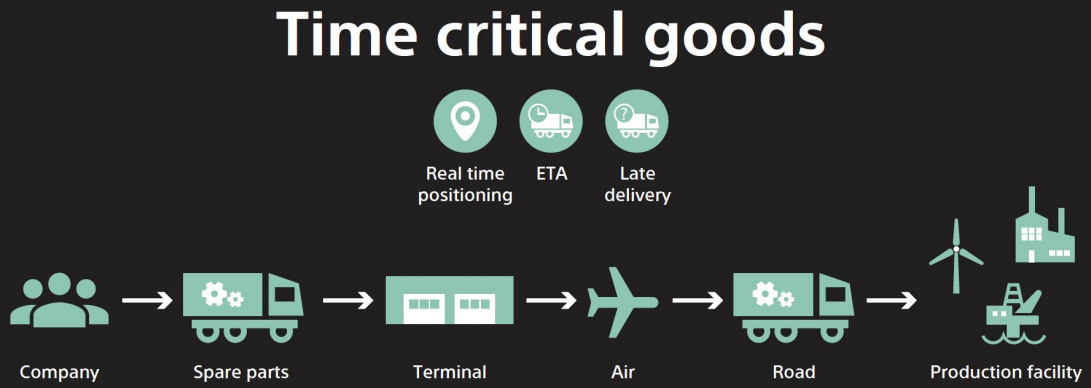
Making sure goods are on time

Challenge

- On time delivery to prevent production stops
- On time delivery to prevent waste of recourses

Solution

- Real-time cargo positioning updates and overview
- Real-time insights into arrival and departure times
- Late delivery detection
- Re-routing suggestions



Keeping sensitive goods safe & intact

Challenge

- Make sure goods arrive, safe, intact and on time
- Knowing the condition of goods
- Knowing if and what/where damage has occurred during transit

Solution

- Real-time shock and tilt monitoring
- Real-time cargo temperature monitoring
- Real-time cargo positioning updates and overview
- Real-time insights into arrival and departure times

Keeping valuable goods safer

Challenge

- Risk of theft and losses
- Discover deviation from planned route

Solution

- Real-time cargo positioning updates and overview
- Detection if shipment deviates from route
- Detection if cargo has been shocked or tilted
- Detection of cargo tampering with light sensors

Lower emissions

What is a sustainable supply chain?

- A more sustainable supply chain means a supply chain that has its business interests aligned with the interests of the planet.
- Sustainability means optimising the supply chain to reduce material waste and transport emissions.

What are the driving forces for a more resilient & sustainable supply chain?

- The pandemic changed our view of logistics
- Emissions from the supply chain account for over 80% of most companies' total emissions.
- The latest UN IPCC reports have made the message loud and clear: climate action is needed, urgently.

How can IoT help to create a sustainable supply chain?

Direct effects:

1. **More efficient routes:** analysis and optimisation of delivery routes. This saves time, money, and emissions.

2. **Reduce product waste:** Condition monitoring gives more opportunities to prevent damage or spoiling of sensitive cargos. This eliminates unnecessary waste and saves money.

3. **Deliver critical goods on time:** Visibility better equips the supply chain to avoid or mitigate crisis situations. Better response times means preventing waste of goods from damage and avoiding idle time, both of which can be costly

Shipping platform Ankeri, which also calculates carbon emissions, closes €2M round

Mike Butcher @mikebutcher / 9:01 AM GMT+2 • October 19, 2021

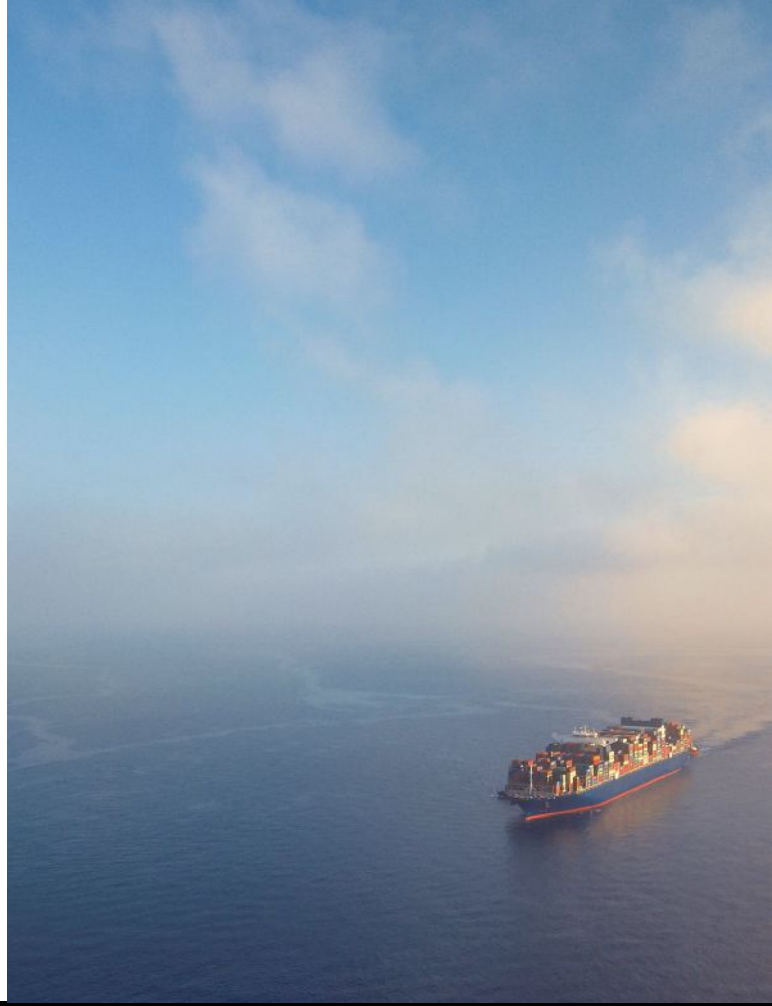
Comment

Indirect effects:

1. **Increase customer satisfaction:** Timely deliveries of undamaged goods will produce satisfied customers as well as boost business and reputation.

2. **Be a more attractive employer:** Employees are looking to the sustainability platforms of prospective employers.

3. **Build a trustworthy brand:** The modern consumer looks for a sense of innovation and environmentally responsible businesses.



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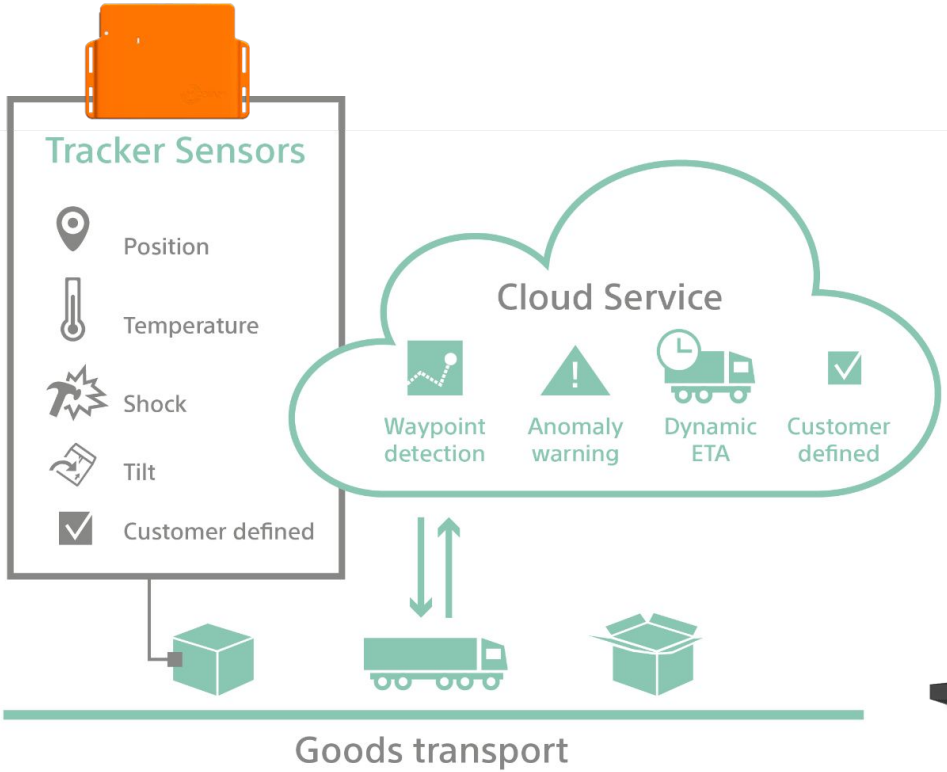
Now you know

This is how Visilion works



IoT increase supply chain visibility and helps to:

1. **Address supply chain interruptions**
   - Address interruptions during transport to improve on-time delivery and manage inventory more efficiently

2. **Increase quality of deliveries**
   - Ensure the goods fulfils the quality requirements
   - Appoint responsibility and reduce costs for damaged goods

3. **Increase customer satisfaction**
   - Build trust by keeping the customers updated with delivery status
   - Better collaboration by having a closer customer dialogue