## evertrace

#### RISK MODELING FOR GLOBAL SUPPLY CHAINS

Evertrace is a Machine Learning platform for real-time cargo tracking, risk prevention and damage prediction

<u>www.evertrace.io</u>

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**PHYSICAL DAMAGE 22%** 

#### WHAT ARE THE MAIN REASONS FOR CARGO DAMAGES DURING TRANSIT?

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#### **TEMPERATURE DEVIATION 8%**

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WATER DAMAGE 8%

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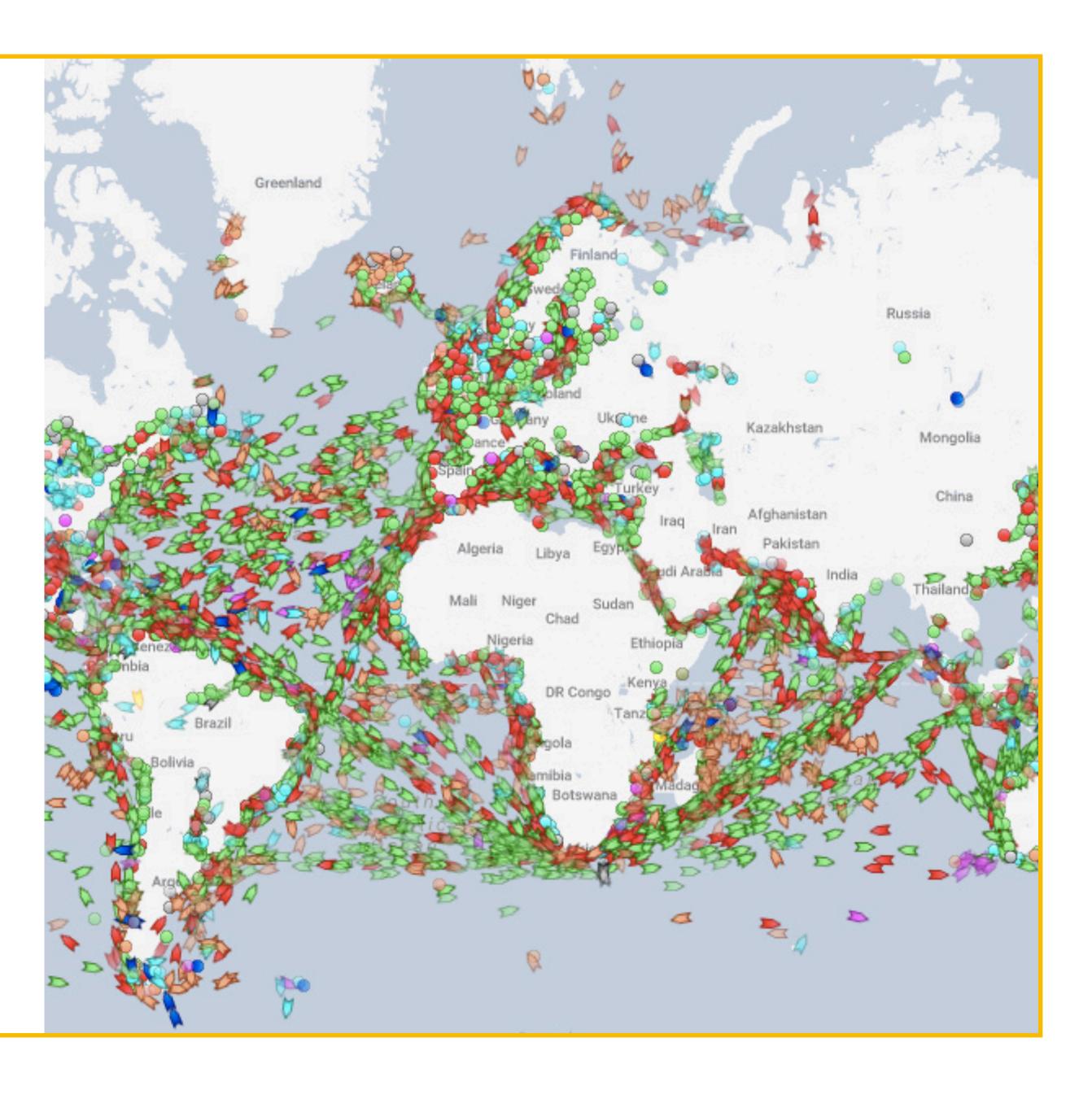
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#### PROBLEM

1. Growing damage ratio and payments for losses in the global supply chains; no one wants to have damages

2. High operational costs for insurance companies, brokers, shippers, freight forwarders in case of cargo damage



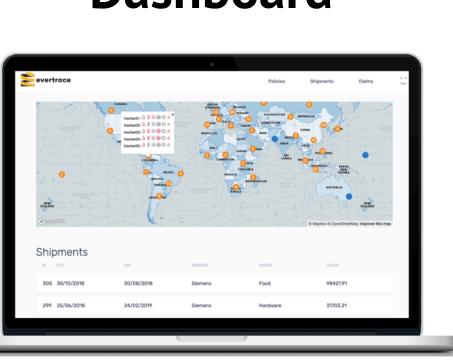


A global supply chain where shipper and insurer benefit from prediction and work together to prevent cargo damages

#### PRODUCT

#### Evertrace Track & Trace





Real-time tracking Notifications & alerts Reverse logistics Tracking visualization Underwriting guidelines Claims automation

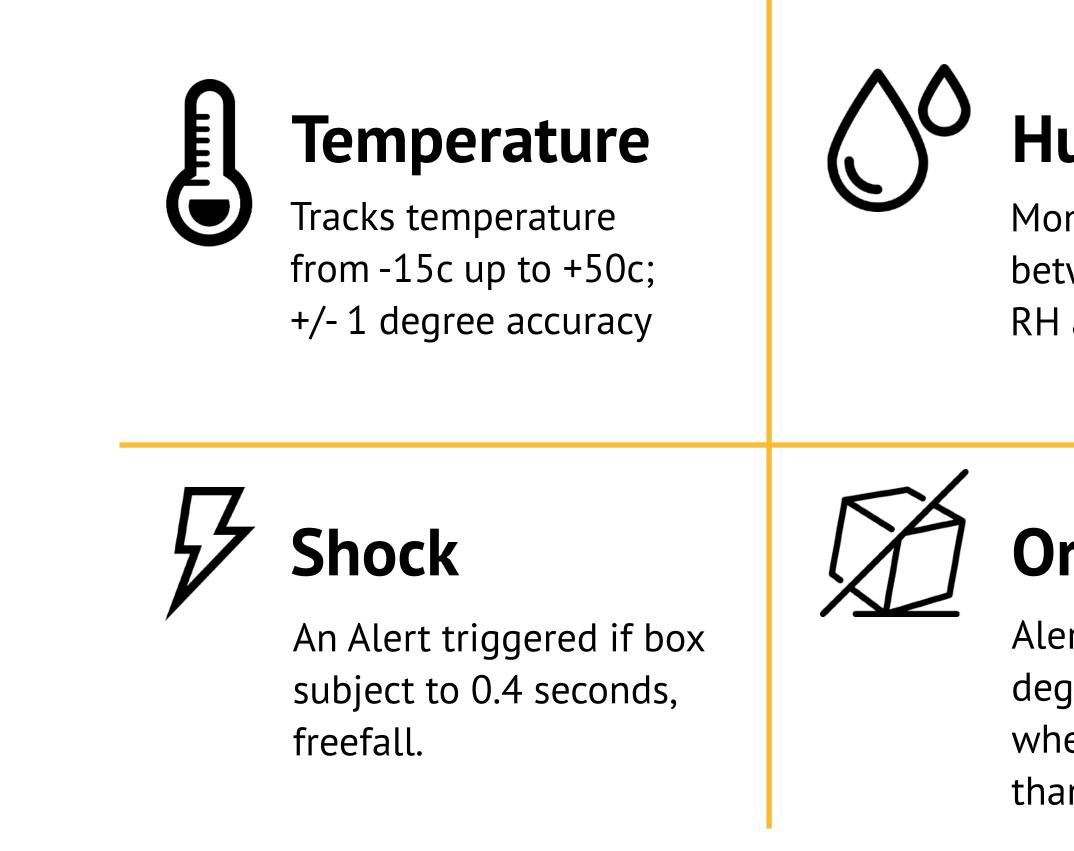
#### Evertrace Dashboard

### Risk prediction & damage prevention model

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Risk scoring Risk accumulation Damage prevention guidelines

#### **EVERTRACE TRACKER SPECIFICATION**



#### Humidity

Monitors relative humidity between 0-100%; +/- 3.5 RH accuracy



#### Location

Monitor the location of shipments with GPS accuracy worldwide

#### Orientation

Alert if tilt more than 30 degrees. Orientation alert when a rotation greater than 45 degrees.



#### Light

Monitors opening or shipment / package. Alerts when more than 5.0 LUX



#### **PREVENTION OF HUMIDITY-RELATED LOSS**



Reasons for humidity damages:

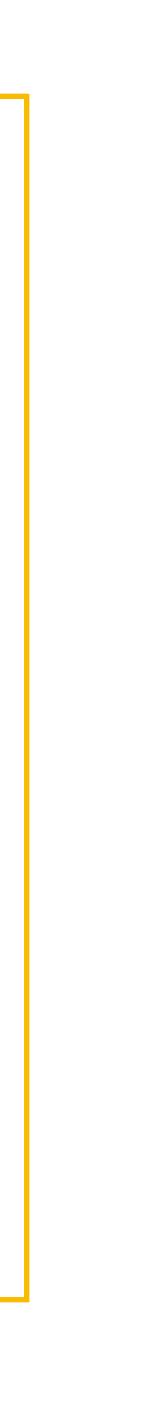
- Container sweat / rain
- Lack of ventilation
- Seawater leakage
- Rainwater leakage

#### **Evertrace features helping to prevent the damage:**

- Real-time notifications (evertrace detects potential damage based on humidity sensor values)
- Severity of damage prediction and cargo vulnerability prediction (based on the sensor values, historical records and customized risk model)

#### Action plan of shipper / insurer in real-time:

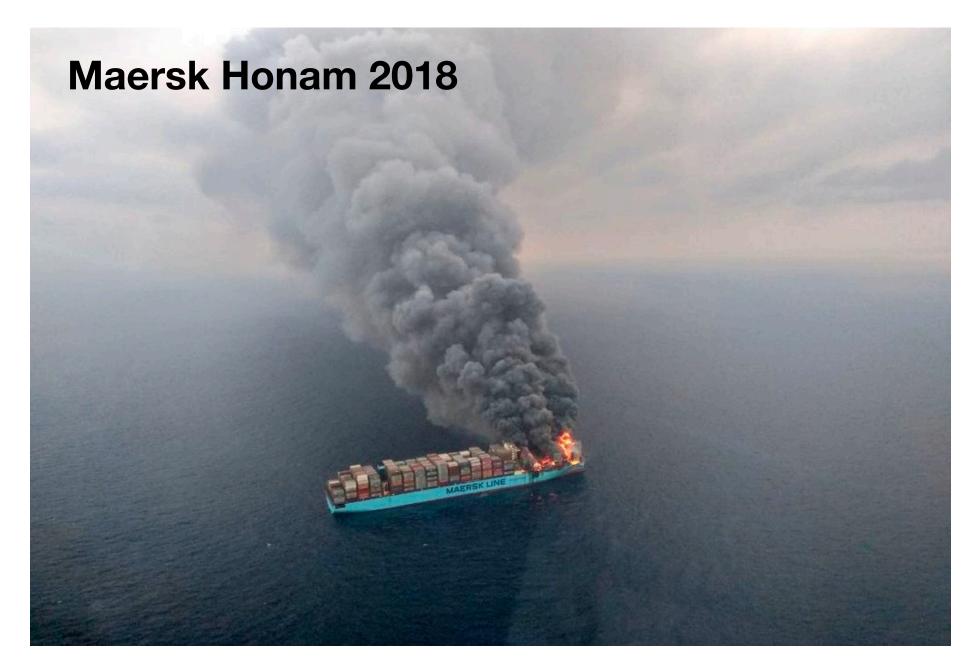
- Get in touch with a carrier to prevent further damage (eg. fix the loading, repack the goods)
- Investigate condition of the cargo en route by surveying cargo. In case of damage, reload the cargo or order a replacement



#### **RISK ACCUMULATION**

Two main methodologies:

- Statistic model based on historical data (claims, individual and turnover policies)
- Real-time tracking data





#### **OUR TEAM**

#### Evertrace GmbH is a Berlin-based startup, founded in 2018. We are powered by Berlin-based company builder Next Big Thing AG.



Darina Onoprienko CEO

ex-Group leader Road Freight at DB Schenker, Logistics Analyst in Delphi



**Gautier Lobry** СТО

ex-CPO at Sparks42 (Rocket Internet), VP Lead Architect at freenet



Shashank Srivastava Data Scientist

ex-Data Scientist at IAV, Software developer at Accenture



Hamed Abdollahpour Senior Java developer

ex-Senior Software engineer in Web Presence in China



Senior Tech team of Next Big Thing AG

Senior Backend and Frontend developers, Embedded Systems engineers



#### SOLUTION

A platform for insurance companies and cargo brokers to:

- Track goods in real-time
- Predict risk and prevent damages
- Improve risk selection and automate claims

with the help of Machine Learning and IoT technologies

## That's **evertrace**



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#### **GET IN TOUCH WITH US!**

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