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>

Gautier Lobry CTO at evertrace GmbH

<u>gautier@evertrace.io</u>



PHYSICAL DAMAGE 22%

WHAT ARE THE MAIN REASONS FOR CARGO DAMAGES DURING TRANSIT?

ETT 1

6

TEMPERATURE DEVIATION 8%

WATER DAMAGE 8%

AE()

013/20

SE OF KENTA

ROCES

2013/200

SONA

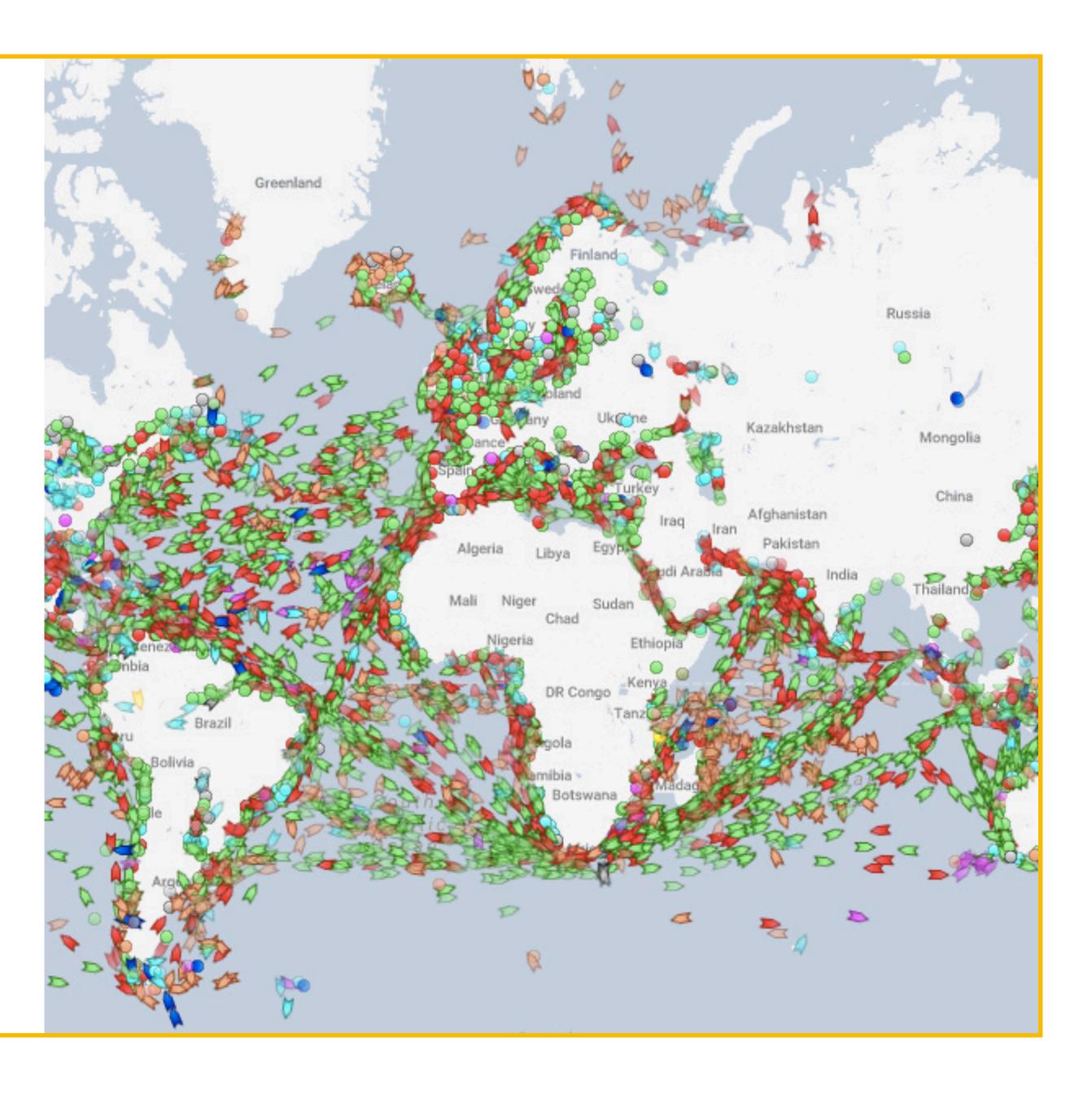
ALLEN W STUDIES FOR STORES



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



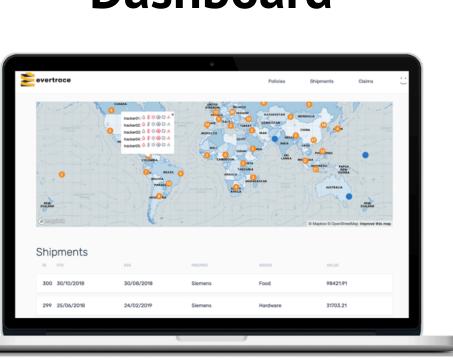


A global supply chain where shipper and insurer benefit from prediction and work together to prevent cargo damages

PRODUCT

Evertrace Track & Trace





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

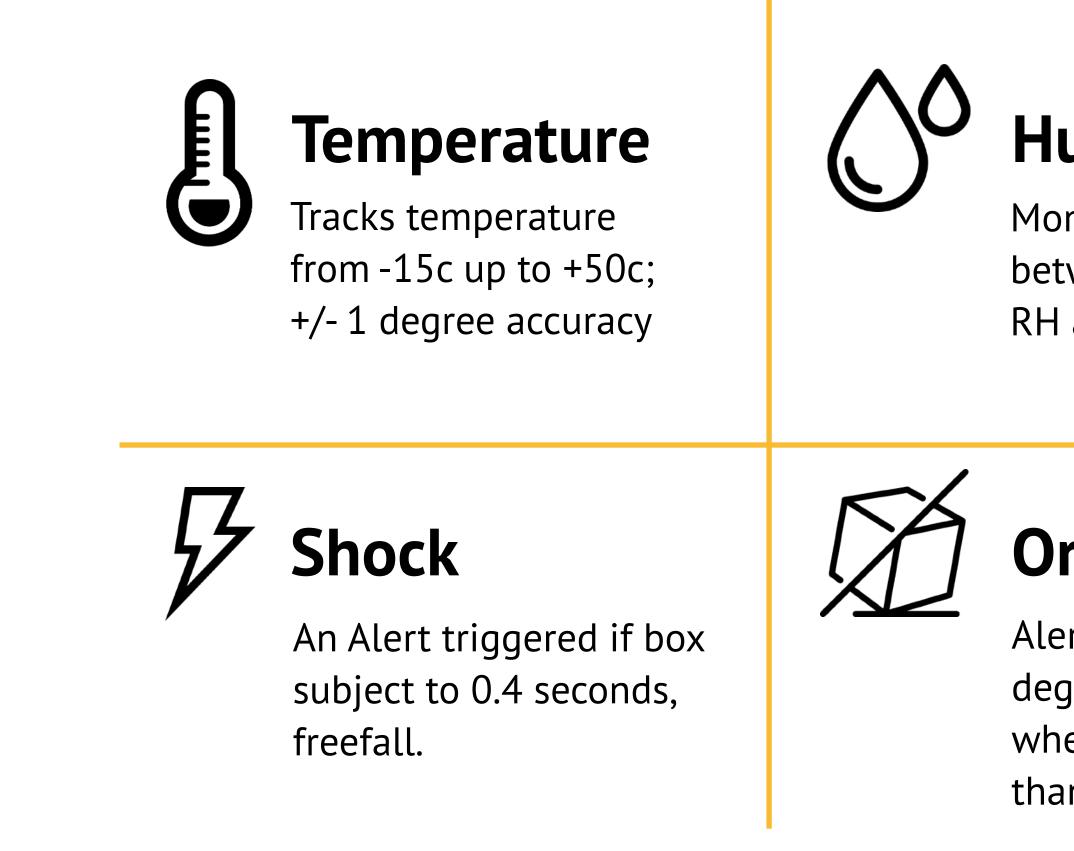
Evertrace Dashboard

Risk prediction & damage prevention model

-				٥				
2	evertra	ce			Po	licies Shipments	Claims	Ü
	Clair	ms						
	ID.	SUBMITTED	INSURES	00005	VALUE	REASON	STATUS	
	980	26/12/2018	Cargocover	Textile	93483.44	Shock	Rejected	
	979	13/05/2018	Cargocover	Liquids	84053.33	Shock	Closed	
	978	30/08/2018	Allianz	Hardware	76364.81	Mishandling	Closed	
	977	18/08/2018	Allianz	Liquids	22217.66	Shock	Rejected	
	976	21/11/2018	Allianz	Living Stock	84138.96	Temperature	Open	
	975	14/11/2018	Foxcon	Food	94580.23	Temperature	Closed	
	974	09/07/2018	Foxcon	Electronics	57426.45	Mishandling	Reviewed	
	973	06/01/2019	Cargocover	Hardware	98937.25	Shock	Rejected	
	and second			-				
-	-	and the second se	and the second se	and the second se		and the second se	and the second se	-

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:

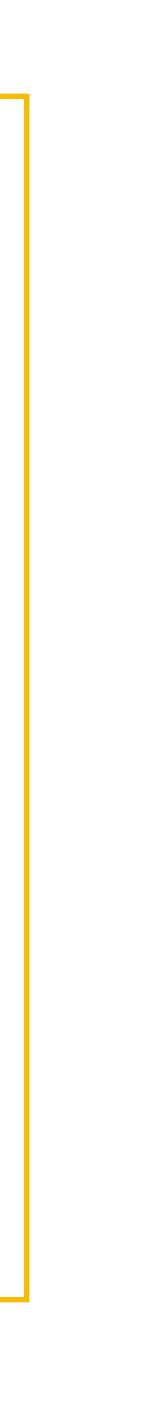
- Container sweat / rain
- Lack of ventilation
- Seawater leakage
- Rainwater leakage

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:

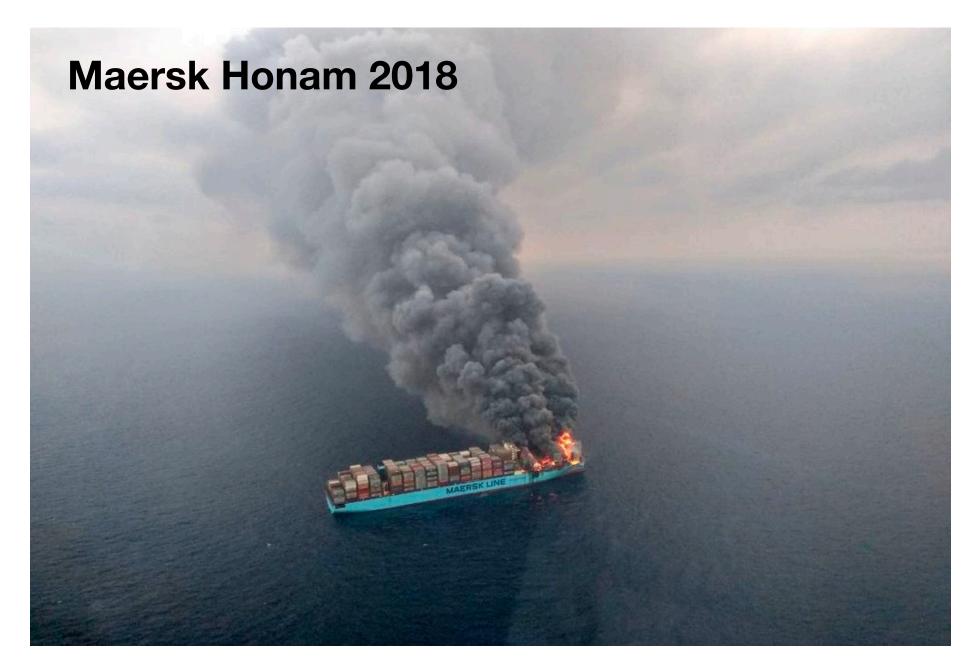
- Get in touch with a carrier to prevent further damage (eg. fix the loading, repack the goods)
- Investigate condition of the cargo en route by surveying cargo. In case of damage, reload the cargo or order a replacement



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**



the second of th	CANADA			elarus 6	4mg 2	a terre
	tracker01.0	× ت⊖⊛ئ ا	FkariCE 30		STAN 3 MONGOL	IAS 7/
	tracker02: 🗳 🗸		NTIC / 14 AIN TALY	TURKEY	N C	16
NORTH-PACIFIC OCEAN	tracker03: 🙆 🕹	🖫 🏟 🔂 🤧 🧴	MOROCCO	IRAN	CHINA	J.4 N
	30 tracker04: 🔕 🗸	₿¢@∂;*		EGYPT	NEPAL	47
	tracker05: 🔕	₩.Ċ.@日☆	MALI	2 MEN	INDIA	
				SUDAN		PHI 12 INES
· · · · ·	col	OMBIA CO	CAMEROON	2 NYA		Sal Sand be
		U BRAZIL	ET T	TANZANIA	- No.	27 PAPUA NEW GUINEA
2		BOLIVIA	ANGOL	MADAGASCAR		- Draw .
6.		PARAGL	SOUTH ATLANTIC		INDIAN OCEAN	AUSTRALIA
SOUTH PACIFIC		ARGEB NA	OCEAN		· · · · · · · · · · · · · · · · · · ·	2 mp
NEW ZEALAND						- The
ZEALAND	-12		· ~ / (80	- <u>-</u>	190
mapbox		3P			. / -	
		Sec. 1			C C	Mapbox © OpenStree

300	30/10/2018	30/08/2018	Siemens	Food	98421.91
299	25/06/2018	24/02/2019	Siemens	Hardware	31703.21

_



GET IN TOUCH WITH US!

Darina Onoprienko CEO at **evertrace**

+4917672665607 darina@evertrace.io

evertrace GmbH c/o Factory Works GmbH Lohmühlenstrasse 65 12435 Berlin

