Everstream Analytics

RMA Conference 2021

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Get In Front of What's Ahead.

Wer ist Everstream Analytics?

What We Do and Why

Market Challenges

Supply chain **delays** and **disruptions** cause billions of dollars of lost revenue, profit and reputational harm

Much of this can be avoided through increasing the **resilience** and **agility** of supply chains

Our Solutions

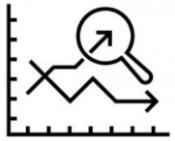
We solve this problem by delivering **predictive and real-time risk insights.**

To make our clients' supply chains more **resilient** and more **agile**

Reducing **costs** and increasing **efficiency**

We help our clients **Get in Front of What's Ahead**

The Value of Risk Analytics



Predictive Analytics

Sense and Respond Mechanisms

Improve

Efficiency

Agility

Resilience

Sustainability

Optimize

Service

Inventory

Assets

Workforce

Loss & Waste

CO_2 Footprint

End to End Predictive Visibility

Network & Supply Risk Assessment

Supply Risk Monitoring

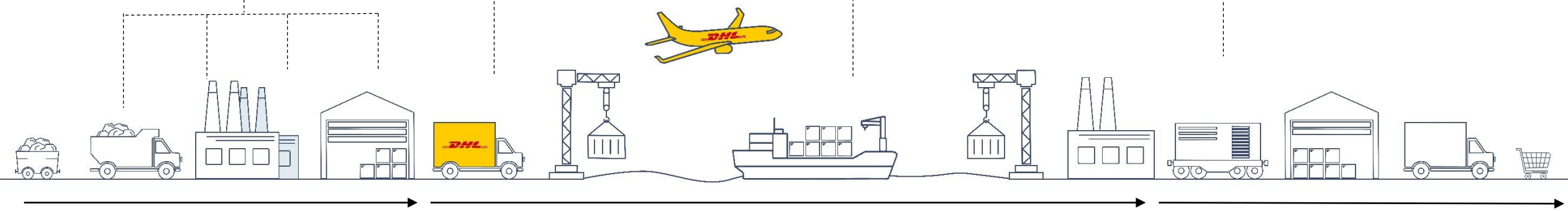
Client Facility Risk Assessment

Network & Transportation Risk Assessment

In-Transit Visibility and Risk Monitoring

Visibility To Multi-tier Upstream Supply

Multimodal Predictive Analytics



Dynamic Assessment of Product & Revenue at Risk

Predictive & Real Time Visibility To Inbound Supply

Predictive & Real Time Visibility To Outbound Distribution

How We Deliver Value to Clients

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Sourcing & Procurement | **Risk & Business Continuity** | **Logistics**

Network & Supply Risk Assessment	Supply Risk Monitoring	Client Facility Risk Assessment & Monitoring	Network, Lane & Shipment Risk Assessment	In-Transit Visibility and Risk Monitoring
↓	↓	↓	↓	↓
Supplier Selection	Supplier & Supply Monitoring	Production Management	Transportation Planning	Transportation Execution

OUR CLIENTS

Network & Product Design | Inventory Planning | Inventory Management

Network Planning

Some of Our Clients

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Automotive	Consumer Products	Tech / Electronics	Industrial	Life Science Chemical
BMW	Unilever	Google	Schneider Electric	Abbott
HONDA	glanbia	CISCO	ANDRITZ	DUPONT
BorgWarner	AB InBev	Apple	EVONIK	BAYER

What Makes Us Unique

1. End to End Solution

2. Human Intelligence

5 times zones

25 languages

1,000+ concurrent incidents

150,000 incidents reported a year

120 risk categories

Insights from **500,000+ DHL Employees**

3. Data Science

Chief Data Science Officer with **25+ years'** experience building Supply Chain models

8 Million news and media sites scanned for relevant news with NLP algorithm

Predictive ETA models trained on **50M+** historical shipments

4. Applied Meteorology

Team led by former Chief Meteorologist of CitiGroup

50+ years of combined experience applying weather events to supply chain insights

Four custom weather forecast models analyze **20.7 Billion** data points per day

Path to Prescriptive Analytics

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What did happen	What is happening	What will happen	What should I do
• Status messages from external parties and sources • High latency and high error rate • Ability to react limited	• Real-time disruption notification • Continuous monitoring, visibility and updates • Ability to react immediately	• Predictive analytics as actionable insights • Alerted to disruptions before they occur • Ability to change plans to avoid disruptions	• Predict events and their impact • Automated actions and decision making • Predictive Planning - Scenarios
Status Quo	**R360 - 2020**		**Everstream - 2021+**

Analytics Maturity

Predictive vs. Real-Time Messaging

Everstream Analytics
3.255 Follower:innen
1 Monat •

Winter Storm is Hitting North America – Supply Chain Impacts

Another high impact winter storm is set to move across portions of the Mid-South, Ohio Valley, Mid-Atlantic, and Northeast on Feb 17-19. The storm will also cause major disruptions in transportation (road, air, and rail) as well as Flight delays along with flight cancellations.

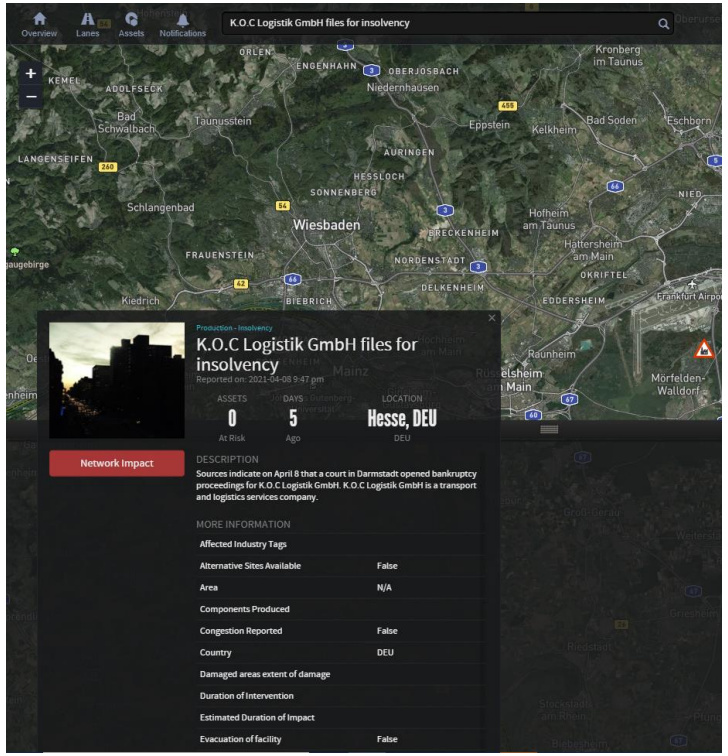
Access our Winter Weather Season Resource Center now to watch this week's Weekly Supply Chain Overview Webinar on demand.

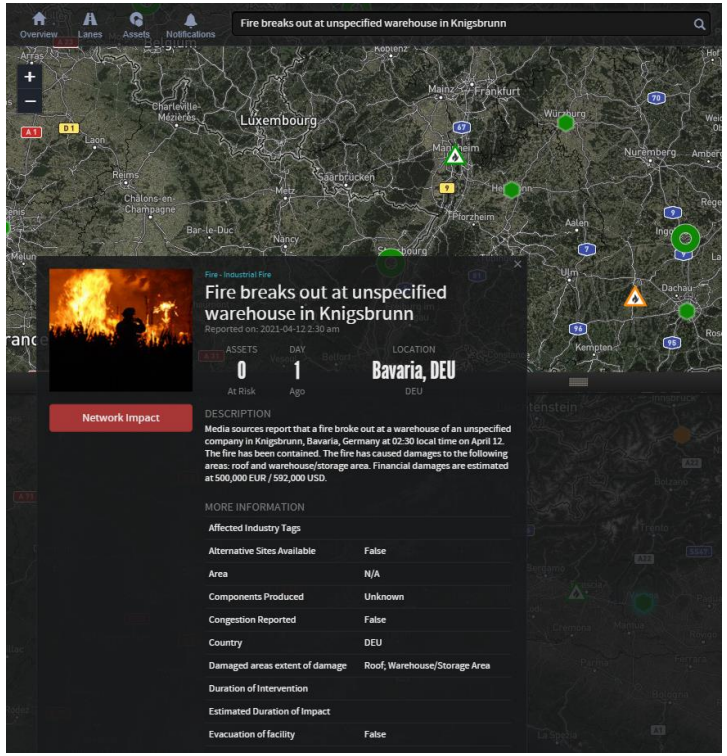
https://r360.co/3e6dGFr

#SupplyChain #riskmanagement #logistics #SCRM #R360 #risk #SupplyChainRiskManagement #winter #winterstorm #winteriscoming #snow #winterizeyoursupplychain #weather #winterweather #weatherforecast #forecast

Übersetzung anzeigen

Winter Weather Season Supply Chain Resource Center
resilience360.dhl.com • Lesedauer: 1 Min.





A Look Back on 2020

Border closures & delays

Cause

In March, governments around the world closed their borders to curtail the movement of people and limit the spread of COVID-19.

As the pandemic progressed throughout 2020, many governments **adapted their initial blanket restrictions** based on the severity of regional or local outbreaks.

Impact

Cargo movement was mostly exempted from border restrictions. However, other regulatory measures and the mismanagement of outbreaks often jeopardized the productivity of logistics operators.

Major incident

In Costa Rica, hundreds of cargo trucks were stranded after the government unilaterally implemented new COVID-19 regulations that blocked or delayed the entry of truck drivers from Panama, Nicaragua, El Salvador, Honduras, Guatemala, and Mexico.

Lockdown measures & curfews

Cause

Measures to restrict movement, such as quarantines, curfews, stay-at-home orders, to contain the virus and to prevent healthcare systems from becoming overwhelmed were widely implemented.

At least **186 countries** around the world implemented movement restrictions.

Impact

Governments worldwide are still struggling to balance various health and socio-economic concerns as infections continue to reoccur, made more difficult by the unpredictable nature of the pandemic.

Major incident

China first imposed a lockdown in Wuhan, Hubei Province on January 22, 2020, preventing movement in and out of the city. India's lockdown, between March and November 2020, was considered the longest lasting restriction in the world.

Production halts & plant closures

Cause

Stoppages were triggered by government-mandated lockdown measures requiring the suspension of business operations or the need to put preventative measures in place before continuation of activities. Some firms resorted to permanent plant closures due to financial issues, related cost-cutting, and restructuring plans.

Everstream Analytics' **top 10 countries with the highest permanent plant closures** include Germany, U.S., Brazil, France, Switzerland, United Kingdom, Italy, Austria, Mexico, and China

Impact

These halts have significantly affected output in several industries, including automotive, aerospace, chemicals, engineering, and food production.

Major incident

The Ministry of Labor in Baja California, Mexico, ordered the temporary suspension of several maquiladoras located in the Siglo XXI Industrial Park, Mexicali.

Infection clusters at production sites

Cause

Factory workers working for prolonged period in close quarters were exposed to getting infected. Production sites, particularly at the F&B industry where the use of manual labor was still prevalent, became infection clusters.

11,000 COVID-19 cases were reported from just three meat processing plants in the U.S.

Impact

Meat processing and automotive plants in Europe, U.S., and Mexico faced reduced operational capacity from labor shortage and production halts. Some plants also faced protests by employees demanding temporary plant closures.

Major incident

Tyson Foods, Smithfield Foods and JBs had to enforce strict measures prompting a large portion of staff to stay at home after thousands of employees were infected within a month.

Industrial action and protests

Cause

Job insecurity and inadequate workplace safety concerns triggered protests in most industries while the boom in e-commerce during lockdowns faced criticism over workers' safety. Protests also broke out over strict government regulations.

Dissatisfaction by workers, and by the general public more broadly, may become **even more conspicuous.**

Impact

Workplace occupancy and social distancing requirements forced reduction of staff and mass layoffs, which caused less efficient productions. In the e-commerce sector, workers walked out of their jobs in Europe causing disruption to the retail industry.

Major incident

Textile manufacturing workers in Vietnam walked out in demand of social insurance payments, overtime, and medical leave pay.

Top 5 Supply Chain Trends in 2021

1 Shorter, more localized supply chains

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Cause

The pandemic exposed challenges of being overly reliant on a single country's manufacturing facilities and resources – but bringing offshore manufacturing closer to home will not be easy.

Impact

The COVID-19 crisis has reignited debate among global manufacturers about near-shoring and re-shoring initiatives in order to reduce size and concentration of supply chain risks.

Major incident

Recent trade agreements (such as the USMCA) have incorporated regional content requirements aimed at encouraging re-shoring and/or near-shoring.

Growing trade pressures – particularly in the form of **tariffs and other types of trade restrictions** – have also contributed to discussions around creating shorter supply chains.

2 Insolvencies among suppliers

Cause

Although the amount of global corporate insolvencies in 2020 were lower than expected due to government interventions, the same may not be true in 2021 if temporary relief measures are gradually be withdrawn.

Germany recorded **a 35.4 percent decline** in business insolvencies in August, compared to the same period in 2019

Impact

Amid the ongoing COVID-19 crisis, smaller and more specialized suppliers are at higher risk of filing for insolvencies in 2021.

Major incident

The U.S. enacted the Coronavirus Aid, Relief and Economic Security Act (CARES Act) targeted at aiding SMEs facing difficult financial challenges due to the COVID-19 pandemic.

3 Continued cyber attacks

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Cause

The COVID-19 pandemic has exposed the vulnerabilities of global supply chains with key industries and shipping operators becoming particularly susceptible to malicious actors.

In 2020, Everstream Analytics saw a **216 percent** increase in reported cyberattacks from the previous year.

Impact

Cybersecurity attacks – including data breaches and ransomware – are set to remain highly persistent threats for global manufacturing, logistics, and supply chains in 2021.

Major incident

Ransomware attacks on two of the world's largest shipping lines, MSC Mediterranean Shipping Company S.A. in April and CMA CGM S.A. in September respectively.

4 Persistent air cargo constraints

Cause

The COVID-19 crisis has triggered severe volatility, both on the supply and demand sides, for the global air cargo industry.

Impact

Much of the capacity losses have been made up by dedicated freighter charters and aircrafts. However, it remains unclear how much belly capacity can – or will – be added in 2021 as countries struggle to curb the impact of the COVID-19 pandemic.

Major incident

For some key routes, such as Hong Kong to North America, spot rates increased as much as 170 percent during their peak in 2020.

As of January 2021, global air cargo capacity remained around **32 percent** below the same levels of the same period in 2020.

5 Increasing use of multimodal solutions

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Cause

While continuing high costs and capacity constraints affected air cargo throughout 2020, companies have explored alternative shipping options for major trade routes.

The success of **expedited ocean services** on the transpacific lane has prompted more carriers to offer such products in Q4 2020.

Impact

Companies are likely to shift away more transportation to multimodal solutions due to persistent uncertainties in the air cargo market and significantly lower transportation costs.

Major incident

As shippers looked for cheaper and more reliable services, the number of trains connecting China and Europe increased by more than 40 percent compared to 2019 as transit times have been reduced to 10-12 days.