Predictive Supply Chain Management
P-SCM
Corporations today face increased complexity through a massive amount of risks impacting markets and reputation.

Major impact on supply chains

- Market volatility
- Supplier risks
- Biohazard & disease outbreak
- Cyber attacks
- Environmental events
- Political & social events
- Regulatory and compliance
- Partner collaboration

At the same time, surveys with Supply Chain, Risk and Industry Executives show that:

<table>
<thead>
<tr>
<th>Impact</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do not utilize tracking tools to enable real-time reporting</td>
<td>56%</td>
</tr>
<tr>
<td>Said there is no process at their company to aggregate risks from across the business</td>
<td>29%</td>
</tr>
<tr>
<td>Cited difficulty in understanding enterprise-wide risk exposures</td>
<td>57%</td>
</tr>
<tr>
<td>Had no formal structures to aggregate the overall risk exposure facing the business</td>
<td>29%</td>
</tr>
<tr>
<td>Believe there is 'likely to almost certain' risks with the price of raw materials</td>
<td>27%</td>
</tr>
<tr>
<td>Of organizations have a fair to very limited knowledge of risk &amp; compliance issues</td>
<td>50%</td>
</tr>
<tr>
<td>Only have complete visibility into the end-to-end Supply Chain</td>
<td>13%</td>
</tr>
</tbody>
</table>

Overall: Supply Chain performance and risk management is currently not integrated with wider organizational risk management.
KPMG’s digital solution helps your company future-proof your supply chain

Background: Pandemics, natural disasters, geopolitical crisis, and other events are impacting global supply chains, resulting in potentially severe financial consequences. To help companies predict and better manage these challenges and situations, KPMG has developed a predictive supply chain tool, P-SCM, based on AI & Big Data.

Key facts about the KPMG Predictive Supply Chain management solution:

— Combines large amounts of external and internal data to show real-time events, potentially impacting the supply chain.

— Predicts future disturbances and recommends mitigation activities based on financial impact and risk avoidance scenarios through an AI-based logic.

— As the solution is hosted in the cloud and based on BoM data, a Proof of Concept on a selected supply chain disturbance area can be conducted in a fairly paced manner.

— We have deployed the solution to customers in various industries, making them more prepared to manage future supply chain events and risk scenarios.
KPMG Predictive Supply Chain Solution

Advanced analytics enables real time predictive analysis of events and risks impacting supply chains from biohazard, financial, regulatory, operational, geopolitical, and natural disaster events. The tool utilizes supplier network information and market distribution channels. Data insights are used to proactively manage events and risks, enhance/ remodel network and empower planning processes.

KPMG’S DATA PLATFORM

Data ingestion, Seamless integration, Auto generated analytics, Big data capabilities, Real-time data stream processing for anomaly detection, Time series data collection, Natural language processing

TRADITIONAL DATA SOURCES

Billing Systems ERP data Planning data Sales Data

Meteorological Data News Feeds Social Media

NON-TRADITIONAL DATA SOURCES

Executive dashboard Forecasting potential events AI-scenario modelling & planning Supplier, product and raw material

© 2020 KPMG Oy Ab, a Finnish limited liability company and a member firm of the KPMG network of independent member firms affiliated with KPMG International Cooperative, a Swiss entity. All rights reserved.
Interested in learning more about P-SCM?
Please contact us:

Anders Hahnsson
Director,
Head of Industrial Manufacturing
anders.hahnsson@kpmg.fi
+358 40 564 0217

Jan Nyström
Director,
Head of Data & Analytics
jan.nystrom@kpmg.fi
+358 40 750 2168

Antti Lojamo
Partner,
Head of Development & Innovations
antti.lojamo@kpmg.fi
+358 40 709 2837

Peter Liddell
Partner,
ASPAC Head of Supply Chain
KPMG Australia
pliddell@kpmg.com.au
+61 3 9288 5693

The information contained herein is of a general nature and is not intended to address the circumstances of any particular individual or entity. Although we endeavor to provide accurate and timely information, there can be no guarantee that such information is accurate as of the date it is received or that it will continue to be accurate in the future. No one should act on such information without appropriate professional advice after a thorough examination of the particular situation.

© 2020 KPMG Oy Ab, a Finnish limited liability company and a member firm of the KPMG network of independent member firms affiliated with KPMG International Cooperative (“KPMG International”), a Swiss entity. All rights reserved.

The KPMG name and logo are registered trademarks or trademarks of KPMG International.