

#009 : Artificial Intelligence in Supply Chain Planning : Part 3/3

The Human Factor



In the near future, most work could involve people working alongside AI or technology with whom they are not currently working today.

How they can adopt, adapt to, work alongside, and manage advanced technologies?

The potential gap which looms isn't the machine learning or advanced algorithms don't work, but that the user doesn't fully understand how to use the technologies or how they generate a specific recommendation.

This makes using so-called "black-box" AI very difficult for users.

When the system not only makes recommendations but also executes most of the decisions, however, **workers understanding why a recommendation or decision was executed** becomes vitally important.

Potential Benefits

- Stakeholders hold less inventory
- Respond to demand faster
- Reduce risk
- Better meet customer needs
- Improve asset utilization

Monetary Basis

- Reduced overhead cost
- Reduce inventory holding cost
- Reduce disruptions



1. Inclusion of AI into supply chain planning and develop a network of machines.
2. Forecasting with AI and using AI to improve optimization methods.
3. Improve Explicability and Auditability of solutions.