



Scaling Humans with Artificial Intelligence (Shai) Revolutionizing Supply Chain Management

Artificial Intelligence (AI) can greatly impact supply chain management (SCM), but the complexity of SCM may require a comprehensive AI solution. Some of the disappointments in deploying AI within SCM relate to the multitude of expensive planners needed, the complex data and processes at each node within the supply network, and outdated data that could lead to bad decisions.

These SCM limitations could suppress the return on AI investments. As a result, early adopters of supply chain AI have felt defeated. This may be due to solution providers only tackling one part of SCM and not working through the larger picture.

Why NCI?

NCI's AI strategy is focused on elevating human potential, which enables a greater emphasis on higher-value work. Our AI solution, Shai, which stands for scaling humans with artificial intelligence, is revolutionizing SCM practices by increasing accuracy, dependability, efficiency and compliance, all while providing ample cost savings to our customers. The value of Shai supply chain solutions is that AI will constantly learn and drive continuous improvement over time. With the onset of additional data and experience, Shai becomes more precise and sophisticated, positioning organizations for increased return on investment.

NCI believes the only way to improve SCM is through a holistic approach that factors in four criteria designed to streamline the supply chain through AI. Missing one of these criteria may cause lackluster results, but when all are met, organizations can significantly refine their supply chain and achieve world-class results. With Shai, NCI offers an encompassing supply chain solution focused on these four criteria:



1. **Access to real time data** – Most supply chains today attempt to execute plans using data that is days old, which results in poor decisions and a sub-optimal supply chain. Shai uses real-time information to help make better decisions faster.



2. **Access to external data** – The ability to access data outside of the enterprise and receive permission to utilize relevant data is crucial for any type of AI, deep learning or machine learning algorithms. Shai will leverage this ability to see the demand and downstream supply as well as constraints and capacities in the supply chain to enhance the results of the traditional planning system.



3. **AI engines must be decision-making engines** – Value can only be achieved if the algorithms supporting SCM can make and execute intelligent decisions. Shai's AI engine supports multi-party execution workflows and can execute across trading partners.



4. **AI engines must be highly scalable** – For the supply chain to be optimized across an entire networked community of consumers to suppliers, the system must be able to process huge volumes of data very quickly. Large community supply chains can have millions, if not hundreds of millions, of stocking locations. Shai is able to make quick, smart decisions on a massive scale.

To add to Shai's holistic SCM abilities, NCI believes a supply chain AI solution will give users visibility to decision criteria, propagation impact and enable users to understand issues the AI system cannot solve. Also, users must be able to monitor and provide additional input to override AI decisions when necessary. Shai supports a robust user experience factoring in data, decision and scalability.

To schedule a demo please contact: [✉ getshai@nciinc.com](mailto:getshai@nciinc.com) [📞 1-703-707-6900](tel:1-703-707-6900)

