DATA & ANALYTICS

Strategic Supply Chain Capacity Planner (SSCCP)

A software engine to support strategic planning decision-making

Long term capacity planning is of growing concern in an unstable environment where a growing number of factors can disrupt the supply chain. It is required for strategic capacity planners to assess all critical resources possible bottlenecks.

Yet building and updating more than a few what-if scenarios is a time-consuming task. Consequently, some critical weaknesses remains undetected and pose a threat to the supply chain resilience.

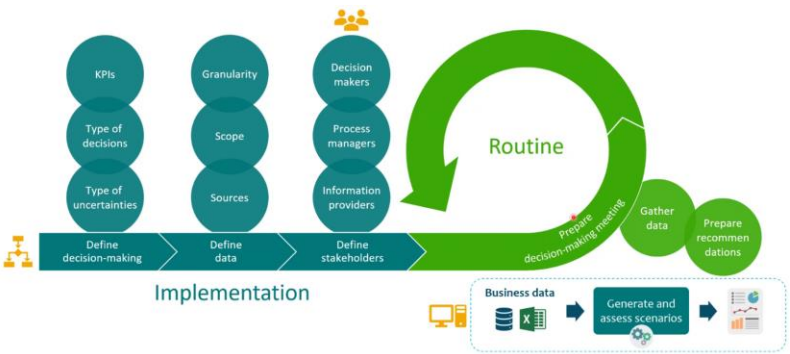
DESCRIPTION*

SSCCP is an automated software tool to generate very large sets of yearly capacity planning scenarios, providing help to identify critical weaknesses in the supply chain.

It feeds with high-level supply web information and user-defined uncertainties/decision alternatives to draws key performance indicators that can be compared dynamically.

Stakeholders can quickly compare multiple what-if decisions in a single place, providing an extensive risk assessment analysis to support strategic planning and investment decision-making.

The engine outputs the resource saturation level of each scenario associated with its cost and probability, highlighting the most valuable course of action. Computing requires only a few minutes for thousands combinations and can be prepared ahead of a S&OP meeting, or routinely used by a strategic capacity planner.



TECHNICAL SPECIFICATIONS

Language	Python 3.9
Compatibility	Windows, Linux, MacOS

COMPETITIVE ADVANTAGES

- Thousands of what-if scenarios can be generated and compared
- Light/automated modelling
- Fast processing
- Scalable

APPLICATIONS

- Long term capacity planning
- Strategic decision-making
- Risk management
- S&OP

INTELLECTUAL PROPERTY

- Software copyrights

DEVELOPMENT STAGE

- Technology validated in relevant environment

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LABORATORY

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