

Your challenge

Trial complexity is growing and at the same time there is more and more pressure to reduce drug waste and react quickly to changes while ensuring 100% patient service level. Information needs to be shared smoothly to different stakeholders across departments. Planning for uncertainty, reducing supply costs while managing risk and finding ways to work across silos can now be achieved.

Enable ambitious clinical plans through an optimal supply chain by connecting strategic vision, operational implementation and real-world events.

Our solution

With the **N-SIDE Suite**, you have the power in your hands to optimize and plan your end-to-end clinical trial supply chain – from drug substance manufacturing to delivery of medicine at site for patients.



- ✓ Accurately model and manage your clinical trial supply chain with integrated applications using **advanced simulation and optimization** technologies.
- ✓ From strategy to operations, increase transparency in supply chain decisions and ease collaboration across departments.
- ✓ Efficiently test what-if scenarios to plan for what could happen, proactively mitigate risk and take fact-based decisions.
- ✓ Optimize the use of your resources and have forecasts and planning you can trust.



40% Drug waste reduction



30% Average supply cost savings



100% Patient service levels



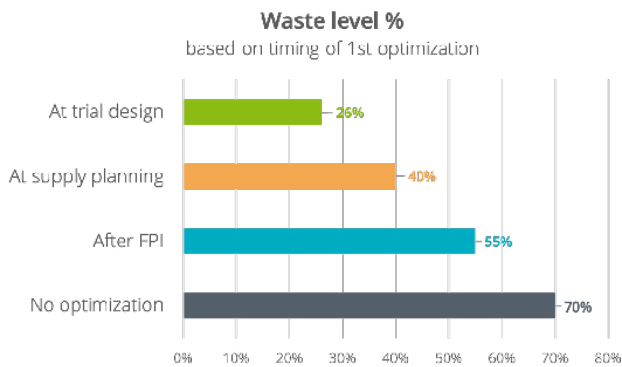
SUPPLY APP

From trial design to last patient out, the **Supply App** optimizes your clinical supply strategy and proactively manages your risk to ensure a 100% patient service level.

Accurately simulate all the complexities of your trial including titrations, weight-based dispensing, cohorts, cross-overs, direct-to-patient, etc. to obtain reliable forecasts.

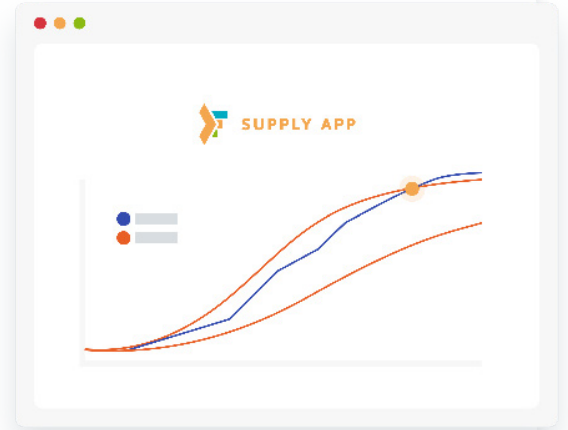
By optimizing strategic decisions at trial design - such as kit design, country selection and direct to patient - your trial becomes as supply-friendly as possible while keeping the focus on patient centricity. Have the most impact on waste levels by optimizing early!

At study planning, optimize your strategic IP packaging plans, your IRT set-up, your comparators sourcing and depot resupply while efficiently managing your risk.



After first patient in, update the study strategy thanks to machine learning techniques using study actuals and current assumptions, so you have the most up to date and optimal forecasts throughout your study.

With the simulation power of the Supply App, you can quickly assess many scenarios for fact-based decision making.



PRODUCTION APP

The **Production App** uses optimization technology to create an optimal production plan for your clinical program considering all variables and constraints, while managing risk including the demand uncertainty provided by the Supply App.

Accurately model your Drug Substance / Drug Product / IMP manufacturing process to produce an optimized production plan with lot-to-lot allocation, lot-to-study allocation and up/down traceability.

Proactively test changes and scenarios based on reliable and accurate data. Increase agility while decreasing waste and manufacturing costs.

