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E-BOOK

UnisonTM
PLANNING

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How Unison Planning™ solves today's supply chain conundrum

Supply chains are under serious and growing pressure. Pandemics, shifts in the geopolitical balance of power, reshoring in a global operating context, invasive digitization in both manufacturing and management, progressive disclosure of raw, unstructured data, the rise of new, disruptive business model – all these elements coming together increase uncertainty and complexity.

Change is everywhere. And when it hits, it cuts deeper than ever. Companies are struggling more than before to maintain control of risk and disruption, respond quickly to change, and create sustainable business value while pursuing excellence. Tackling every challenge at once leaves many overwhelmed. When everything is connected to everything, it's difficult to see the bigger picture.

Unison Planning™ offers a way through with its integrated approach to dealing with complexity.

How Unison Planning™ restores control

Supply chains are mutating. SKUs have exploded. Product life cycles have been turned upside down. Ecosystems have expanded, companies have been scaling up and interdependence is the new normal. As a result, risks are multiplying, the tiniest of ripples triggers a whole tsunami and one pandemic is enough to undermine the global economy. More than that, the shifting balance of power causes geopolitical landslides that impose strategic change in the way physical supply chains operate.

Slipping control

In the past few years, hardly anything has stayed the same. Uncertainty now dominates both our present and our future. And as supply chains continue to grow more complex, so does planning. It's getting more time-consuming than ever to gather and interpret the relevant information, assess, interpret and evaluate the impact of different alternative scenarios, negotiate consensus in an expanding supply chain ecosystem, and propagate decisions that are both smart and feasible on the shop floor.

With the sense of urgency skyrocketing and reaction time plummeting, control is now an instant business. Decision makers have to know what's happening right now, at this very minute. They need to understand, analyze, choose, synchronize, and implement in the blink of an eye. And that's where the shoe pinches. With the number of planning parameters, constraints, and interdependencies, and with data exploding on a logarithmic scale, instant control is slipping. Decision makers feel uneasy.

Planning functions and horizons



SOURCING | MANUFACTURING | DISTRIBUTION | DEMAND

The connectivity challenge

Asked how technology needs to evolve if planning is to be supported in the future, supply chain experts are divided. Recent studies show that some predict a move toward a set of compound systems, all connected on a single platform, while others believe in a core system, with a unified model provided by a single vendor¹. **In either case, the 'connection' element is vitally important. It's also a bit of a head-scratcher.**

In the first option, the challenge of supply chain planning is distributed across multiple spot applications, all optimizing and covering specific functions, horizons, and roles. This only works if each individual application can share sufficient data in time to avoid suboptimal decision-making and it places a massive responsibility on the platform in terms of connectivity, scalability and performance.

A holistic approach

The one-model paradigm takes the opposite path. Instead of bringing together a disparate series of individual apps into one overarching solution, the one-model approach treats the supply chain as a whole, from the ground up. It embraces the supply chain as a mix of intertwined dimensions, to be solved in their dependencies — much like a Rubik's cube, where all the constituent parts retain a due degree of autonomy while remaining connected and integrated. That's Unison Planning™ in a nutshell.

It solves every challenge holistically, with complete respect for their organic interactions. **Unison Planning™ builds on a deep understanding of how the separate planning functions, horizons and roles are intrinsically intertwined and how they all respond to each other.** It combines expert knowledge of universal supply chain mechanisms with advanced insight into the logic behind industry-specific challenges.

An integrated architecture running as an open platform interfacing with other business functions, such as finance, has many advantages. Instead of relying on an external platform to connect each planning application with the next, the unison philosophy puts that platform at the heart of the solution. By creating a symbiosis between core planning apps and platform, nothing is left to chance. Unison Planning™ strikes the sweet spot between zero effort integration and low-cost platform connectivity.

1. "Supply chain planning in the digital age", p 11, Vlerick Business School, © 2020

OMP's take on control

Logical as it may seem, the unison approach comes with a major challenge. Designing a model that captures the supply chain in all its dimensions is definitely quite ambitious. Here's OMP's take on that.

Its solution's architecture is founded upon a generic planning platform that covers all the fundamental aspects of supply chains in capital-intensive industries. These companies share one common challenge. They all need to combine optimal planning of material flows and optimal use of bottleneck capacities.

What sets OMP's solution apart, is its ability to address these two challenges at the same time. An extra layer of advanced intelligence, applied on top of the generic framework, solves the specific challenges in respect of typical processes, constraints and industry benchmarks in select industries such as life sciences, chemicals, consumer goods, metals, paper, plastic film and packaging, and more.

As a bonus, OMP's solution allows customers to incorporate company-specific intelligence, experience and rules. Partnering OMP's expertise with the know-how of its customers, takes the unison principle to yet another level.

Packaging company regains control over late order changes

Integrated planning solution brings peace of mind

How does Unison Planning™ help companies **(re)gain control**? The case of a Scandinavian multi-site packaging company illustrates how synchronizing multiple planning steps in one single system can bring peace of mind to operations.



Pressure due to highly customized production

The company's production process involves reels of paper being transformed into sheets of corrugated board of various sizes and grades. Conversion machines – for example for printing, die-cutting, folding, and gluing – further process these sheets into the final packaging products. Orders are fulfilled at two sites, but only one has a corrugator, which means the other site heavily depends on it.

The highly customized nature of the products was putting the company under constant pressure. Fierce competition led them to sign very exacting delivery contracts, with penalties for orders not delivered on time. This resulted in large volumes of individual items being stockpiled, and **rush orders becoming the norm**, both to fulfil demand and replenish stocks.

Improved customer service with the help of synchronized planning OMP's Unison Planning™ Solution allowed the company to **increase service levels while driving down the number of rush orders**. An integrated workflow was put in place, eliminating the need to coordinate multiple systems.



Orders now go seamlessly through a series of planning steps to make optimal use of assets and resources, starting with a load planning step to set aside capacity to absorb variations in short-term orders. Orders are then optimized for cutting, balancing all costs, before being scheduled. There's tight two-way integration between the corrugator and the conversion machines, with scheduling decisions instantly transmitted to the shop floor from where production information is immediately fed back to the schedule.

Proactive planning over multiple sites

The solution is used concurrently at both plants, with each plant having full visibility of the other's schedule. Orders implicating both sites are treated in the same proactive manner as single-site orders, with work-in-process deliberately limited as far as possible.

How Unison Planning™ supports alignment

Control is not a one-person show. **You don't control the process unless everyone works in sync.** That's not an easy task. First off, you'd have to align every planner, from the strategic and operational down to scheduling and execution. But supply chains are the field of play for more than just these planners. Sales and marketing, finance, technology and innovation, and even business leaders, all take part in the supply chain planning game.

Conflicting interests

Each stakeholder has their own specific goals, skills, expertise and needs, while most companies operate in a global setting spanning multiple regions at once, with decision power dispersed everywhere from global headquarters to plant level. Multi-enterprise players who embed their supply chains within even larger ecosystems add to the complexity. With so many conflicting interests, the risk of friction and collisions lurks around every corner. How can you make companies work as one team and keep everyone aligned?

Key collaboration requirements

To collaborate in unison, stakeholders don't just need to speak the same language. They need easy access to the information they require and the ability to feed the planning environment with the decisions and data they're responsible for. They also need to understand the rules of engagement and accept that optimizing value on a company-wide level matters more than meeting all the objectives of any one team.

Planning roles and stakeholders



Why integration matters

Integrated solutions have an obvious advantage when it comes to alignment. Unlike composite planning solutions that focus on allocating core functions to complementary solution providers while treating connection issues as a secondary concern, the Unison Planning™ architecture integrates all the core planning functions, key applications and interfaces in one comprehensive platform, where only the connection to non-core planning-related applications (such as business process applications or specific niche solvers) is provided over open plug-ins.

As such, the model is designed to take all the relevant parameters, constraints, objectives, data and decisions into the equation at the same time. In this one-model logic — recognizing everything is interconnected — overall value optimization is not just the natural outcome. It's the actual foundation on which the solution itself is built.

Technical success criteria

Of course, whether such a unison solution is capable of working its magic largely depends on its intelligence. Its embedded algorithms need to incorporate and balance conflicting objectives — both financial and non-financial — allowing for complex compound strategies and conflicting priorities to be managed. Because it is so comprehensive, the model runs according to an integrated planning cycle and workflow concept.

Potential conflicts of interest are charted from the beginning and resolved strategically during the solution blueprinting phase. The model also safeguards one single version of the truth. If everyone navigates by the same compass, the fleet sails in the same direction, especially when companies apply an integrated planning cycle and workflow concept in support.

OMP's take on alignment

In OMP's philosophy, all this is just the Olympic minimum of what Unison Planning™ offers, because there are still more roadblocks. Even though every stakeholder has a different angle, it's not enough to cater for their individual needs. Elite users should be empowered to navigate seamlessly through all the planning dimensions at will. That's why OMP's Unison Planning™ comes with a telescopic digital twin.

Users can now move back and forth easily between the strategic, operational and execution levels. That's helpful during analysis and for decision-making. The question of transparency merits further attention too — given the heterogenous nature of the stakeholder environment, it's clear that user expectations vary largely depending on their profile.

To cater for every need, OMP's Unison Planning™ features an intuitive UI and customizable reporting tools. Tailored analytics unlock information at the most pertinent level of aggregation corresponding to the user's role, time horizon and expertise. Still, there is more to transparency than full visibility on key metrics, historical data and learning patterns. OMP's solution applies machine learning techniques to adapt alerts and notifications to individual user need and processes the information in a way the user will understand.

Easy cloud-based access means that stakeholders can see everything that's being planned, from what is scheduled for the next hour to a few years ahead. So everyone's in the know, every decision is transparent, and every change is propagated in real time along the entire value chain.

Chemical giant aligns operations

From a disjointed planning landscape to a unified solution

How does Unison Planning™ help companies align their business units? One of the largest chemical producers in the world recently added this to its achievements. Operating almost 250 plants worldwide, the company has transformed its planning environment over the past few years.



Previously, planning was disjointed across several of its business units and regions, leading to global inefficiencies, significant risks, and below-standard customer service. Many employees, including managers, reported that they had no clear view of how their work could positively contribute to customer satisfaction, or to the company's short- or long-term success.

One solution covering every planning horizon

The project began with a comprehensive effort to define a global cross-functional process framework which could **establish firm links between the company's supply chain and its commercial and financial organization**. This framework was subsequently brought to life by implementing a single company-wide supply chain planning solution.

The primary reason for choosing OMP's Unison Planning™ was that it was the only solution on the market to fully cover every planning horizon, **from strategic and tactical to operational**, including asset and distribution scheduling, storage, and transport planning.



Upskilled employees report greater job satisfaction

To ensure perfect alignment among all business units and plants, more than a thousand employees were trained and upskilled to fully understand the process, take ownership of their role in it, and work seamlessly together. Although this required changes to many of their deep-seated professional practices, employees who embraced the new way of working report a marked improvement in job satisfaction.

Planners now see more clearly what's happening around them, even from the other side of the globe. They're able to better focus on their tasks and have a sharper understanding of how their work contributes to serving customers. "A giant leap forward," is the comment heard most often.

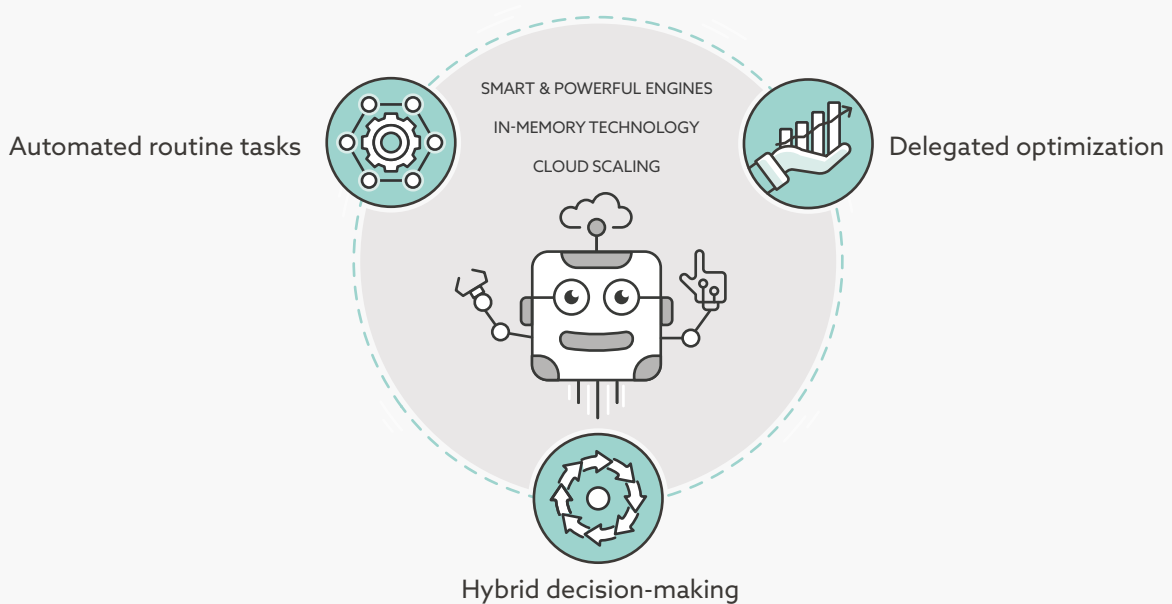
How Unison Planning™ steps up the pace

Control is nothing without speed. If an object unexpectedly appears in your path when you're driving, you need to hit the brakes or turn the wheel in the blink of an eye to avoid a collision. Managing supply chains is no different. A planning solution is worthless if it cannot respond quickly in an emergency.

But there's a catch

Reacting quickly to unexpected events is simply not enough. Decision makers need to know that their response is smart too. With so many parameters, network nodes, interdependencies, complications and stakeholders to take into account, reaction time can come at the expense of effectiveness, with potential profits being lost.

Reaction speed and autonomous planning



Intelligent and performant

To be successful, planning solutions rely heavily on both advanced intelligence and high performance. **Aside from its smart engines, Unison Planning™ uses in-memory technology and cloud scaling to drive up computing speeds.** Instead of running batch processes for systems integration, unison platforms integrate in server mode while enabling users to interact continuously with the core at any time. In simple terms, the core takes care of all the data, number crunching, and thinking in advance, then triggers the qualified users to react, and immediately propagates the impact of their decisions throughout the whole ecosystem.

Next level man-machine collaboration

Although agility clearly benefits from shorter reaction times, a higher degree of automation helps to step up the pace too. At times, the critical bottleneck is not the planning solution, it's the planner. Planners have a tricky job. In theory, they should be focusing on value. In reality though, their first priority is firefighting, often at the expense of important routine tasks. Managing everything at once is more than you can ask from any normal human being. Unison Planning™ tackles the planner's challenge at a higher level, by **upgrading the collaboration between human and machine.** The formula builds on three pillars — automating routine tasks, delegating complex optimization issues, and smart assistance for hybrid decision-making. When carefully applied, technology can do a lot on its own. Smart calculation engines and self-learning intelligence now enable numerous autonomous planning features.

Although the concept of driverless planning gives some planners the shivers, the aim is not to replace planners with machines, but to upgrade their role. Freeing their agendas from tasks that are either too tedious, or too complex, to handle allows planners to focus on the strategic issues. Meanwhile, the planning solution makes sure everything runs smoothly in the background.

And when the unexpected happens, technology comes to the rescue. The planning solution simply solicits the user to respond on the fly, by pointing out what's going on, showing which alternatives work best and supporting the planner to make the wisest choice. On the strategic as well as the ad hoc decision levels, the Unison Planning™ concept allows more value to be generated by simply harmonizing collaboration between human and machine.

OMP's take on agility

For Unison Planning™ to do its magic, autonomous planning is crucial. In line with this philosophy, OMP has invested systematically in artificial intelligence. Since the company's origins back in 1985, one third of revenue has steadily flowed to R&D and innovation every year. As a result, OMP's solution has progressively incorporated smart technology for added business value.

With a clever model at its base, industry-specific solutions, embedded AI, data science, deep learning, cognitive features and more, the offering is crowned by a raft of value enhancers, each designed to efficiently solve business-critical challenges. Much of this premium functionality — blending, cutting optimization, routing generation, campaign planning, shelf life optimization and tank scheduling — is quite

industry-specific. Other features — allocation and order promising, multi-echelon inventory optimization, transport planning, value optimization, collaboration, simulation and control — offer added value of a more universal nature. Still, all add-ons share a common goal: to make planning a simpler process by achieving greater value at a faster pace.

But a capacity to deliver optimal solutions is not enough for any solution to gain the planners' confidence. No one likes a black box. For planners to treat machines as partners, they need to trust their output. OMP understands that. Explainable AI features help users comprehend the how and why behind it all. This is what adds the transparency needed for humans and technology to work in unison.

Consumer goods corporation more agile than ever

Near-instant response with extremely short planning cycles

How does Unison Planning™ help **companies to become more agile**? The point is particularly interesting in the world of fast-moving consumer goods, a highly competitive and promotion-driven market that increasingly puts pressure on companies to adjust production plans to meet sudden changes in demand. Remember how slow response led to empty shelves when Covid-19 hit.



But how do you achieve this faster response? Part of the solution is to make production equipment more flexible. But a lot of time is still lost in the consumer goods planning cycle, which historically has always been on **a weekly schedule**, mostly for practical reasons. Production processes are subject to complex constraints and interdependencies, meaning that quick-and-dirty changes to finished goods schedules would inevitably lead to undesired knock-on effects in upstream, downstream, or parallel processes.

Yet one top-5 global consumer goods corporation has made a business priority of **reducing the weekly planning cycle to 24 hours or even a single shift at some plants**. There were good financial reasons for this because the slower the response the more safety stock is needed, which negatively impacts working capital.



Catching up with the new speed of the business

This ambitious undertaking came with many organizational and technical challenges. OMP's Unison Planning™ was selected as the fully integrated digital planning solution to do the job. Local planning teams were dissolved in favor of **a centralized planning service** center designed to devise and optimize production schedules and distribution and deployment plans over multiple manufacturing sites in different parts of the world.

When planners create a distribution plan, OMP immediately **makes production constraints apparent** and **triggers smart solvers** that rapidly balance the constraints from a company-wide and value stream perspective. Planners just need to handle exceptions, meaning that they can easily catch up with the new speed of the business.

How Unison Planning™ achieves all-round excellence

Challenging times breed champions. Companies that excel, survive — those that struggle, don't. Supply chain planning excellence demands mastery of the core business and key processes, while outperforming the competition.

Balancing conflicting goals

Although many companies typically score well in at least one aspect of supply chain excellence (inventory, for example), **improving on every excellence KPI at the same time is a challenge most fail to get past.** Unison Planning™ evaluates each decision in context, and tracks its impact on the entire set of KPIs. It simultaneously works on a whole range of conflicting KPIs, avoiding either suboptimization or overperformance on any one of them.

Machine and people intelligence combined

But there is more to excellence than initially meets the eye. Viewed from a unison perspective, excellence gets a whole new twist. Becoming best-in-class demands more than just technology alone. It goes without saying — the planning software had better be top notch. But that's not quite enough. An expert tool is useless in the hands of novices. **Planning excellence is an amalgam of expert tools and expert people.** A company eager to further all-round excellence, invests in users too. True leaders understand. A survey among senior supply chain specialists found that 80% believe their workforce need new digital skills to maintain their competitiveness¹.

Balanced KPI management and know-how transfer



Knowledge sharing raises excellence

As in other contexts, Unison Planning™ tackles the issue by building bridges — in this case by optimizing how humans and machines work together. Planning in unison here translates as achieving wider excellence sustainably by increasing and strengthening know-how at every opportunity. **No matter what the road to excellence looks like, it should have 'knowledge transfer' written all over it.** Right from the start and as a commitment for the long haul.

Here too, companies and solution providers benefit from working in unison. Regardless of the solution provider's expertise and track record, each company accumulates its own treasure trove of know-how. Sharing this accumulated experience at kick-off while formulating the solution's blueprint, is the smartest way to incorporate all the intelligence available in the ultimate design.

But that's just the start. A solid user engagement program, supported by effective change management, is crucial to successfully onboarding customer teams and transferring knowledge fluently. Though most companies get it thus far, many let opportunities slip at what comes next. Building know-how is not a one-shot exercise. It demands constant effort. Without the proper tools, coaching, or training, experts will stand still — their know-how becomes obsolete or just evaporates. Just like excellence, knowledge management requires sustained investment. Long-term partnerships between customers and their solution providers are what supports continuing sharing and accumulation of know-how. This too is part of unison's philosophy.

1. "How the future of work will change the digital supply chain", EY, July 27th 2020

OMP's take on excellence

Knowledge transfer is key in OMP's solution. On their digital transformation journey, customers are guided by a select group of seasoned experts. All of them combine deep industry experience with expert supply chain planning insight. In OMP's philosophy, excellence is more than just the final objective. It's the starting point on which every solution builds.

This vision explains the importance OMP ascribes to its advisory services. Where other solution providers settle for training only when the software is in place, OMP invests heavily in sharing know-how from the get-go. Together with

the customer, advisory consultants optimize the high-level design and supply chain planning blueprint for the entire digital transformation journey. Combining customer intelligence with the seasoned experience of OMP's industry experts in pursuit of excellence leverages all the available know-how, and puts in place the change processes that helps the customer make the most of their solution.

OMP's much acclaimed industry-specific solutions, based on long-term insights, industry benchmarks and targeted research give customers a solid head start.

Metals producer on path to supply chain excellence

Continuous improvement with reality-based decision making

How does Unison Planning™ set companies on **the path to supply chain excellence**? A German producer of high-performance alloys deployed the solution as a catalyst for continuous improvement.



Pressure to become more efficient and increase performance

Supply chain excellence is a hot topic in the metals industry in general. It's even more crucial for this company, where **production processes are extremely complex**, involving numerous production stages and more than a hundred different alloys, and where production output is in relatively small, highly specific batches.

The fact that some production stages are carried out by external partners makes the planning even more complex. In addition, increasing **global competition** puts pressure on resources and requires the company to cut lead times while still bringing inventory levels down.

Finite capacity planning analysis reveals weaknesses

Managers could sense that their supply chain still harbored a lot of inefficiencies, but they couldn't fully identify exactly where the problem was. The breakthrough came when a Unison Planning™ project was launched, creating a telescopic digital twin of the entire value chain.

A bottleneck-oriented finite capacity planning analysis clearly revealed at what point in the supply chain **inventory would rise unintentionally**. The analysis also predicted which **machines might encounter material shortages**.



A catalyst for continuous improvement

Subsequently, the planning solution was put in place along with a **comprehensive training program**. Planners and managers learned to master the solution's industry-specific intelligence to boost **critical decision-making processes such as delivery date calculation and order acceptance**. This resulted in shorter production lead times, a noticeable improvement in service, and a marked decrease in required inventory.

Over time, the solution continued to reveal further interesting information, for example which planning decisions had been successful and which not. This bolstered employee confidence and created the foundations of a solid continuous improvement loop.

How Unison Planning™ optimizes value

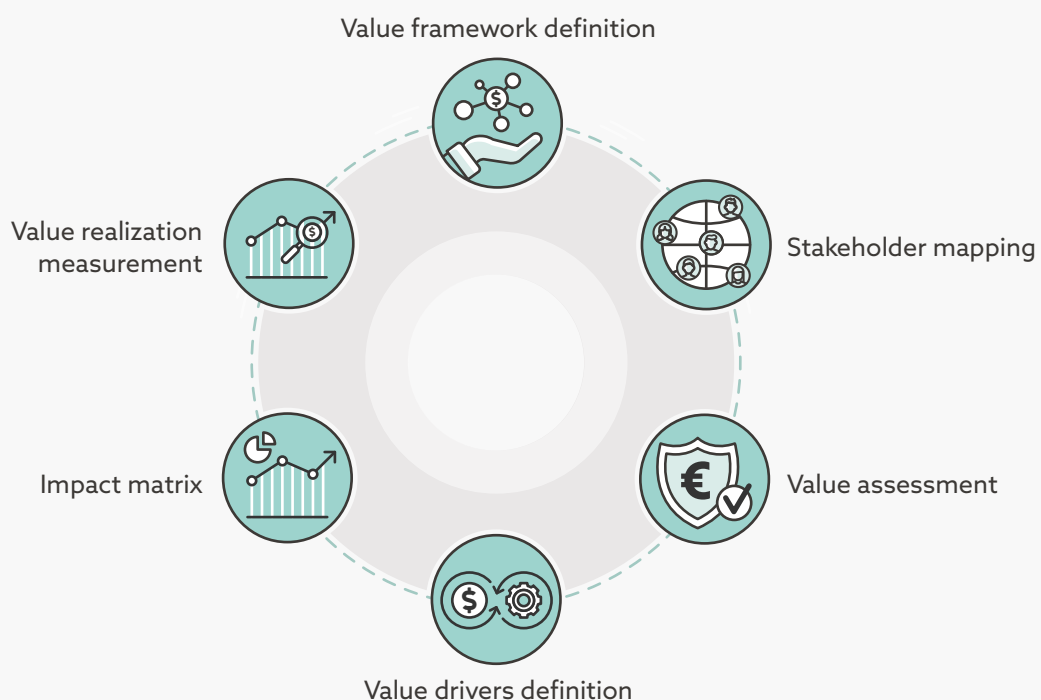
Although most companies would agree they're in the business to add value, defining value is a hard nut to crack. Over the past few years, social acceptance of the traditional concept of value, with its focus on shareholder return, is crumbling. The Economic Forum's Global Risks Report from 2020 confirms the rising criticism of the current economic system's perceived unfairness. Gradually, it's dawning on captains of industry that **the true purpose of corporations lies in creating value for stakeholder groups at large, not just for shareholders**¹. A more up-to-date value concept needs to include the interests of customers, suppliers, local communities, and employees.

Defining value

The first step to optimizing value from a purpose-driven perspective is to figure out what value really means. That's quite a challenge. Already, many companies struggle to balance the company's top and bottom lines in their definition of value.

Combining financial KPIs linked to revenue, profit, cash flow, working capital, inventory with qualitative KPIs related to service levels and customer satisfaction, as well as parameters such as contribution to sustainability and personnel satisfaction, is more than most companies can digest.

Purpose-driven value optimization



The value management journey

To make things even more complicated, what value really is depends a lot on each stakeholder's point of view. Purpose-driven companies, particularly, have a lot of these to take into account, both inside their own organization and as members of their supply chain ecosystems. **To get everyone on board, the unison philosophy treats value management as a cornerstone of the transformation process.** Instead of regarding value as the outcome of the planning exercise, it's now defined before that planning exercise even starts.

At the outset of each supply chain planning project, the appropriate value framework needs to be put in place. All the stakeholders should be mapped, and agreement must be reached on both the goals and the rules of the value management journey. In the next phase, the focus shifts to value assessment. Expected benefits and proof points are identified, translated into value drivers, linked to key metrics and mapped in an impact matrix with clear KPIs relating to targets for technology, people and the solution.

During project implementation, these critical success criteria are continuously monitored and systematically evaluated to identify and close potential gaps at the earliest possible stage. At the project's end, when implementation and training is complete, value realization is measured. But the exercise is not quite over. The unison approach connects current value to future value. To grow value sustainably, **value management must become an integral part of the continuous improvement process.**

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1. "Purpose-driven supply chains deliver value to stakeholders"; Supply chain executive report, Gartner, June 2021

OMP's take on value

Dealing with value optimization on an overarching level puts any supply chain solution to the test. Achieving an optimal plan that maximizes value at this level requires the ability to handle multiple conflicting objectives at the same time. One-dimensional optimization leads to suboptimization, as most companies will agree. Still, balancing complex strings of KPIs is more than most can handle. What weight should be attached to each KPI? And how are financial criteria combined with qualitative parameters?

To enable holistic modelling, OMP's value optimization solver, one of the company's premium value enhancers, applies mathematical programming techniques. Techniques go beyond classic sequential computing to include linear programming (LP) and mixed integer programming (MIP) which allow tailored objective functions designed to contain hybrid sets of components and carry out optimization on an overarching level.

Solving challenges such as how to supply the greatest number of customers at the lowest possible cost, and with as few rush orders and complaints as possible, becomes a simple task.

World leader in pharmaceuticals streamlines processes and platforms

Upping the value for everyone concerned

How does Unison Planning™ create **value for every stakeholder**? A world leader in pharmaceuticals is delivering right now as part of a major transformational business journey.



End-to-end approach raises the bar

The journey's objective is to streamline business processes, as well as the technological platforms that underpin them, across all the company's divisions and businesses worldwide. This involves redesigning supply chain planning processes, stepping away from the limited capabilities of ERP-based planning, and aiming for an outright end-to-end approach to fully connect production processes, demand forecasting, and short- and long-term planning. That's particularly challenging in the life sciences industry in which society places a lot of trust and where **companies need to make strategic decisions on a ten-year horizon or longer.**

An assessment exposed the certainty that most of the planning solutions the company used would fail to deliver on this end-to-end approach. This is because they've been designed either for a specific function, such as purchasing, manufacturing, or distribution, or for a given time horizon based on strategic, tactical, or operational perspectives. Cumbersome interfaces would need to stitch this all together.

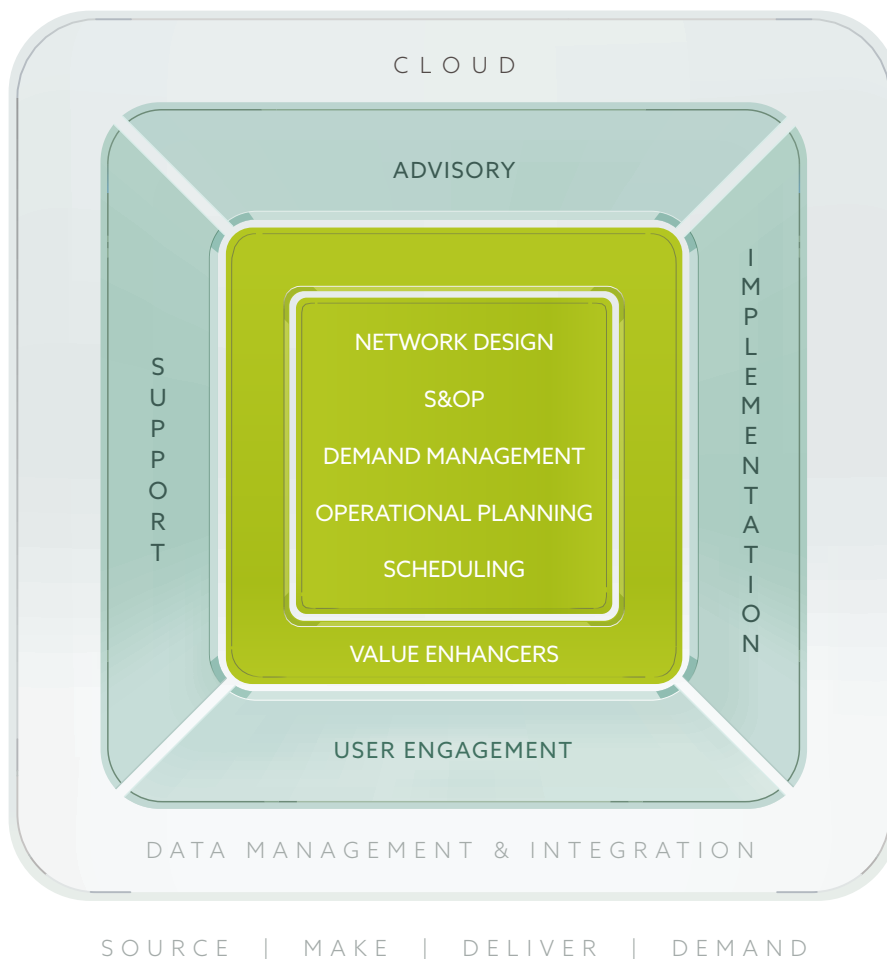


Constraints automatically propagated between planning levels

As a consequence, the company chose to implement OMP's Unison Planning™ Solution, which builds on a **single unified telescopic digital twin** where decisions are automatically propagated between the different planning levels. For example, drug substance volumes derived from the monthly S&OP are usable as constraints at the execution level. Similarly, execution data from production plants are exploited to form the basis of subsequent monthly plans. In addition, OMP's scenario planning capabilities and the solution's industry-specific intelligence signify an appreciable step forward compared to the company's legacy system. All of this allows the company to **make better strategic, tactical, and operational decisions**, and optimize plans, **upping the value for everyone concerned**.

OMP's solution Unison Planning™ in a nutshell

OMP's Unison Planning™ offers a full-scope solution for all supply chain-related planning challenges, with OMP serving as the customer's one-stop shop. Top notch technology, designed to tackle all supply chain planning functions, horizons and roles the integrated way, combines with expert services provided by both solution and industry specialists, some with over 35 years of in-depth expertise. Unison Planning™ is packed to the brim with advanced intelligence, both in terms of its individual components and its overarching concept. Check out omp.com/solution for further information.





About OMP

OMP helps companies facing complex planning challenges to excel, grow and thrive by offering the best digitized supply chain planning solution on the market. Hundreds of customers in a wide range of industries – consumer goods, life sciences, chemicals, metals, paper and packaging – benefit from using OMP's unique Unison Planning™ concept. Acclaimed for more than a decade by Gartner for its vision and execution, OMP has been building strategic partnerships with its customers since 1985.

Respected for its commitment to achieving the very best outcomes for customers, the company invests in a sustained R&D effort to create its visionary road map for the future, in partnership with key stakeholders.



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