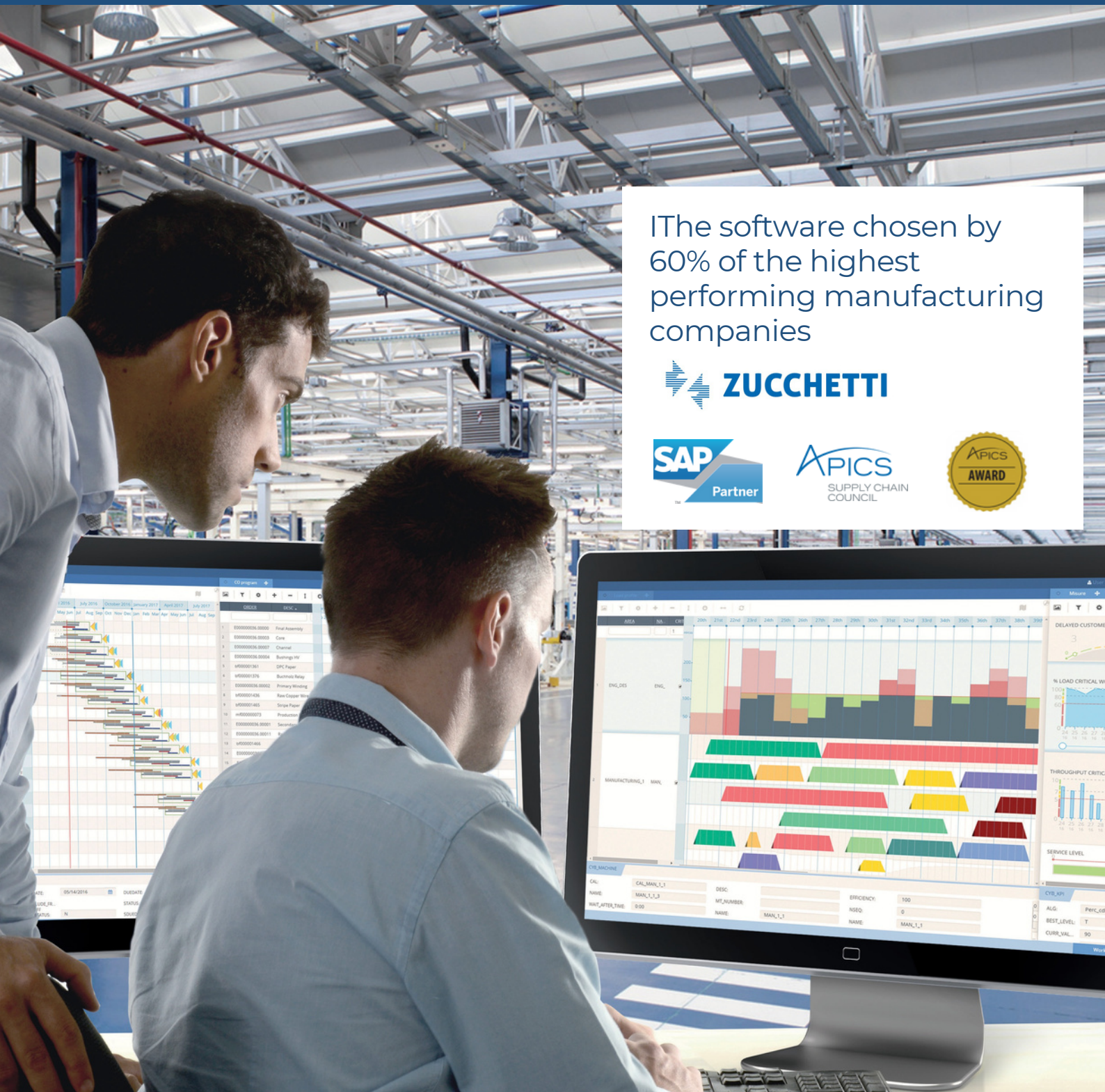
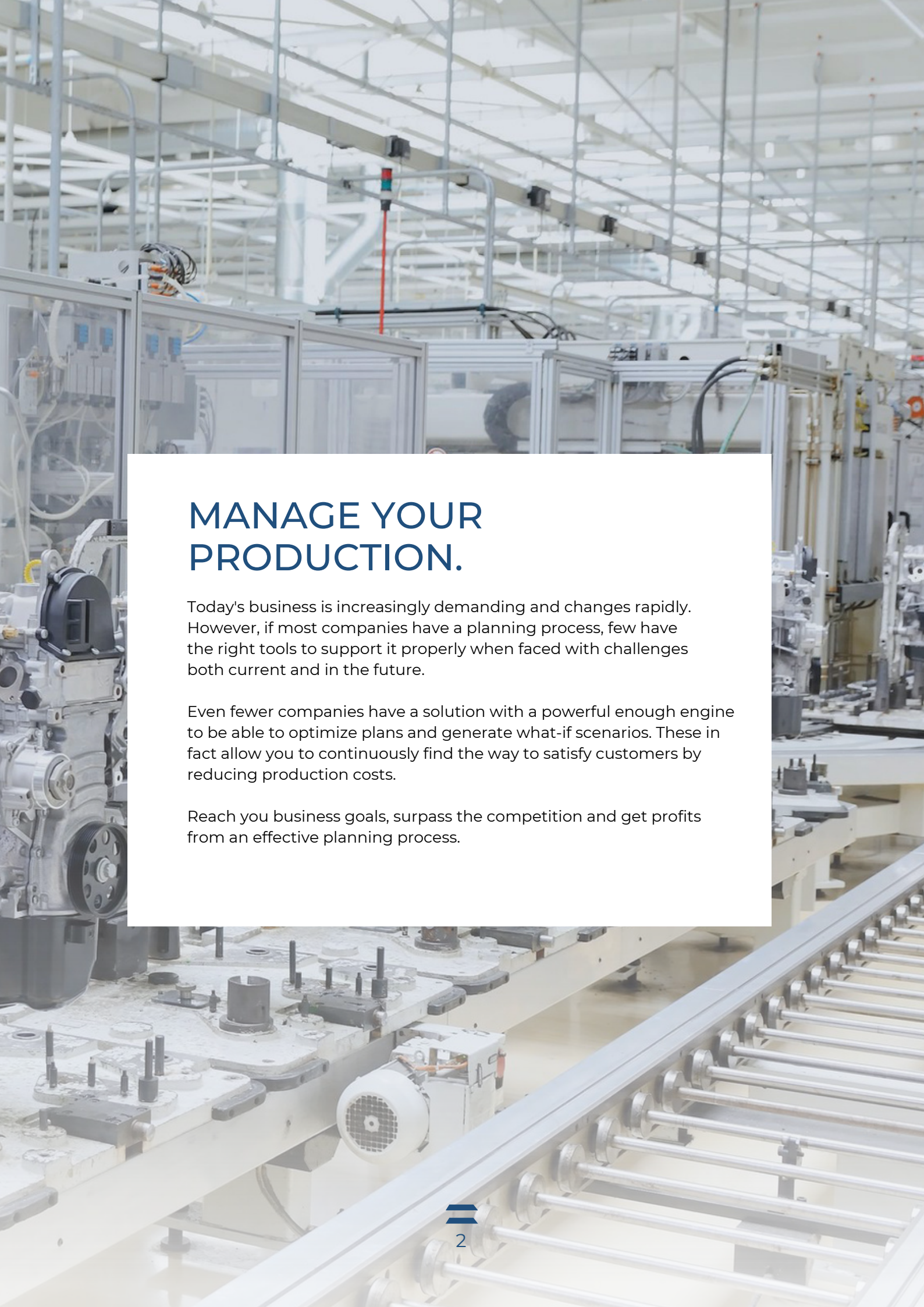


CYBERPLAN

Finite Capacity Production
Planning and Scheduling

The software chosen by
60% of the highest
performing manufacturing
companies





MANAGE YOUR PRODUCTION.

Today's business is increasingly demanding and changes rapidly. However, if most companies have a planning process, few have the right tools to support it properly when faced with challenges both current and in the future.

Even fewer companies have a solution with a powerful enough engine to be able to optimize plans and generate what-if scenarios. These in fact allow you to continuously find the way to satisfy customers by reducing production costs.

Reach your business goals, surpass the competition and get profits from an effective planning process.

CYBERPLAN® FOR MANUFACTURING

The advanced solution for innovative manufacturers

CyberPlan® is the Advanced Planning System designed by Cybertec to improve the level of customer service and at the same time reduce production costs.

Simulate future scenarios for each workcenter, plant or an entire supply chain with a reliability and comprehensiveness never achieved before. Synchronize production processes, providing greater visibility and control by increasing delivery efficiency and punctuality while reducing stock levels and waste.

With CyberPlan® you can create a high quality plan by examining it in detail through a powerful graphical interface. The critical issues of the plan are automatically identified by alarm function and it is possible to modify the plan with simple reprogramming functions. The end result is a synchronized plan that simultaneously optimizes the needs of customers, the company and its suppliers.

Take the best decisions.

Enhance production capacity.

Increase the performance of your supply chain.



MANAGED PROCESSES

Planning the supply chain

key benefits

- Greater visibility across the production process;
- High service level;
- Better saturation of workload and efficiency;
- Reduction of lead times;
- WIP and stock reduction;
- Alignment with ERP systems and elimination of Excel spreadsheets;
- Rapid reprogramming and what-if analysis.

Supply Chain Planning is the process where unconstrained market demand meets the reality of the supply chain, including performance objectives, resource and material constraints, and the need for cost efficiency. While net demand represents what is potentially required to meet customer requests, it may not always be feasible or economically advantageous for a company to respond exactly to that demand. The task of planning is to find the best balance between market needs and resource constraints while respecting strategic objectives.



Manufacturing Forecasting

Integrability, simulation power, and ease of use enhance the reliability of forecasts and align them with the production department by verifying the feasibility of the generated plan. Eliminate stockouts and leverage all available data.

Finite capacity production planning

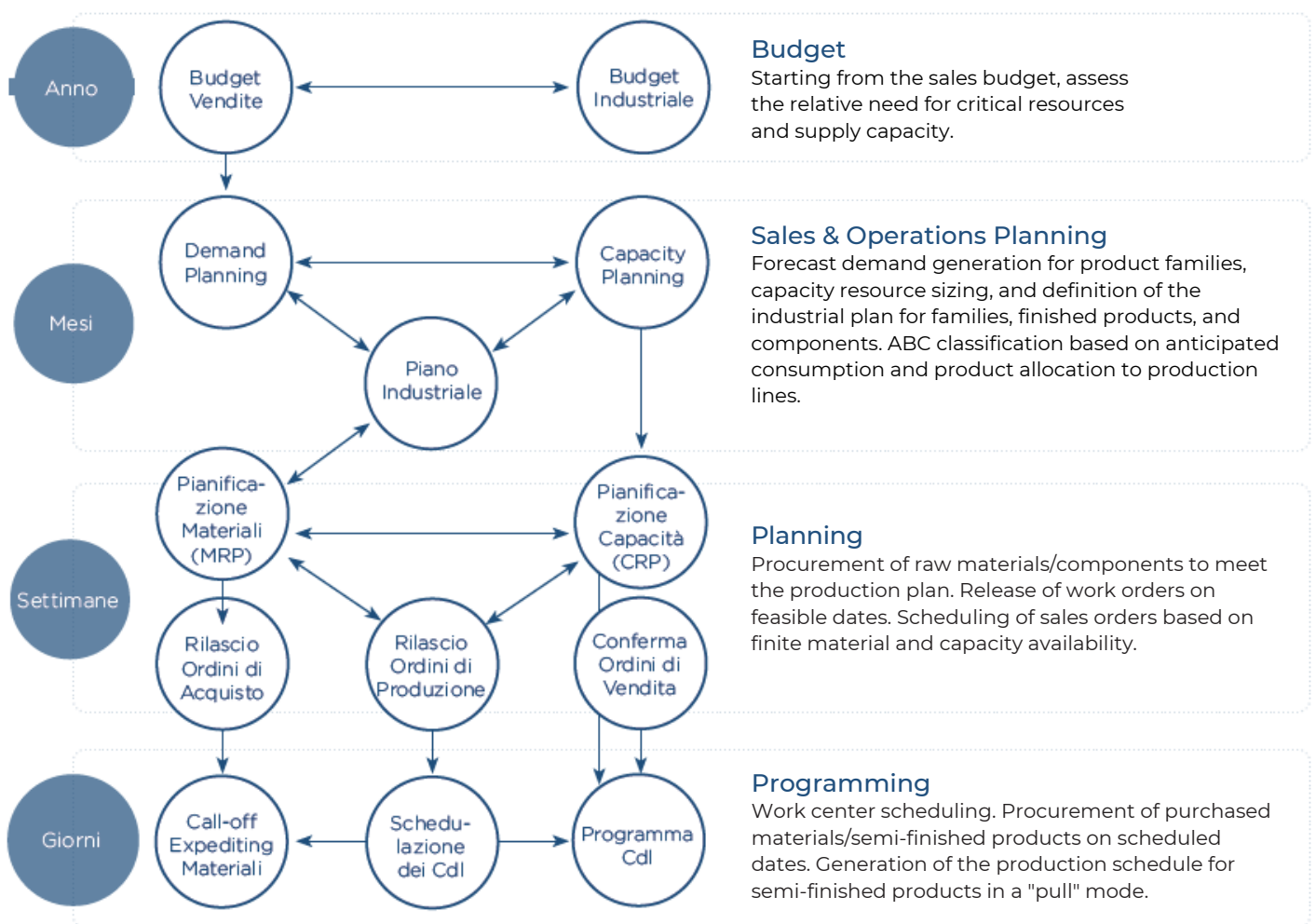
Anticipate factory issues with advanced simulations that account for factory constraints, suppliers, and customers. Increase responsiveness to production disruptions while maximizing the effectiveness of the production plan.

Sales & Operation Planning

Boost competitiveness with a single tool that aligns sales activities and production capacity, fostering strategic collaboration. Improve forecast accuracy and maximize service levels.

Finite capacity detailed scheduling

Create optimized factory sequences by considering production constraints and resources such as plants, equipment, and materials. Stabilize the plan and enhance production efficiency by reducing setup times and lead times.



YOUR EXTENDED ERP

System interfacing: a delicate process, now made secure.

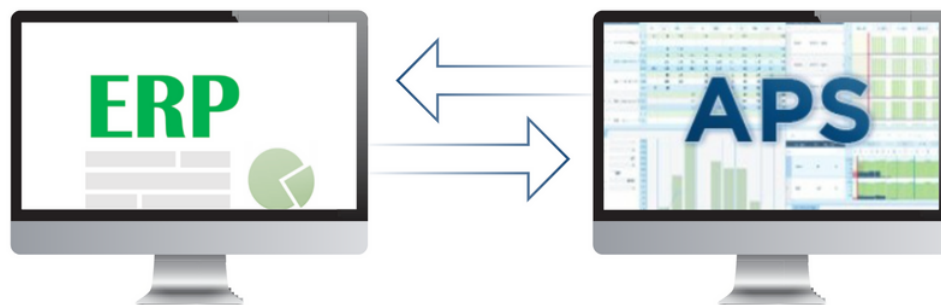
Many companies have invested significant resources in implementing enterprise ERPs to manage various aspects—administrative, accounting, and production. However, despite these investments, we often observe that decision-making is frequently supported by informal and generic tools, such as Microsoft Excel® and Project® (among others).

On the contrary, CyberPlan APS enhances the company ERP by providing the ability to eliminate many collateral tools and unify industrial production management. Through Cybertec solutions, users can benefit from the strengths of the tools mentioned: the power and effectiveness of the algorithms found in ERPs, the calculation speed of Microsoft Excel, and the intuitive graphical interface of Microsoft Project.

An Intelligent Interface

An Advanced Planning System (APS) requires regular input of data from the company's ERP system and, potentially, from additional production planning support tools such as MES (Manufacturing Execution Systems). The quality of the input data largely determines the quality of the outputs that the new tool will be able to generate. This is why the data interface development phase is particularly delicate.

Cybertec consistently invests in making its solutions easily integrable with any system, ensuring a solid and reliable interface over time. The integration procedures of CyberPlan are flexible and consistent, requiring no maintenance activities.



- Zero Risks
- Minimum impact on the IT side
- Simplified maintenance
- Reduction of project times

“ CyberPlan has been seamlessly integrated into the ERP with automated procedures that have eliminated the need to use Excel spreadsheets. Thanks to this integration, the time needed for planning has decreased as well. ”

P. Moroni – SC Manager
Delpharm S.p.A

Well defined projects, punctual results

Thanks to many years of experience, Cybertec's integration team is able to ensure seamless communication between the ERP systems in companies and the CyberPlan APS solution. ERP systems such as SAP, Oracle, Microsoft, Infor, AS400, and many others are integrated daily with the CyberPlan solution for manufacturing companies worldwide, with the goal of making the interaction between the two systems as effective and efficient as possible. Thanks to Cybertec's investment, project time, costs, and risks are significantly reduced compared to other APS solutions on the market.

Outbound ERP flows → CyberPlan

The main data imported into CyberPlan from the ERP system includes:

- Master data (items, departments, resources)
- Budget and sales orders
- Warehouse stock levels
- Production orders
- Purchase orders and subcontracting proposals
- Requirements derived from production orders and subcontracting work.

Inbound Flows

CyberPlan → ERP

The main data generated in CyberPlan and imported into the ERP system includes:

- Production orders
- Purchase proposals
- Changes to existing orders



CyberPlan is the only APS to have a true standard module of integration with SAP that has allowed us to considerably reduce the commitment of internal IT resources and the risk related to interfacing, a factor that is always critical in these projects.



G. Milan – Group operations manager
Caleffi S.p.A.



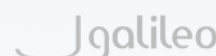
Cybertec and Ad Hoc Infinity

CyberPlan integrates seamlessly with the Zucchetti Ad Hoc Infinity ERP, reducing the time required for data exchange between the two systems. This alignment brings together the interests of IT, logistics, and production. The impact on the company's information systems is minimal and is more than balanced by exceptional business results in a short period, including improvements in on-time delivery, reduced inventory levels, and increased efficiency in production departments.

Cybertec is SAP Partner

For integration with SAP ERP, Cybertec offers a well-established data exchange method, the result of years of evolution based on the experience gained from numerous installations with clients.

Some integrations:



A UNIQUE APPROACH: PSCA

Plan – Simulate – Check – Act

CyberPlan allows the user to plan with a unique approach called PSCA (Plan, Simulate, Check, Act). This is an iterative process, thus it proceeds through a series of rapid cycles, during which the plan is improved and gets closer to the business objectives. CyberPlan makes it possible to work offline, when the user can still view the plan, simulate future scenarios taking constraints into account, analyze the plan, identify critical issues and causes, then creating new what-if scenarios to improve the plan and so on until the desired plan is quickly reached. From there on the plan can become operational by being shared with all the different departments.

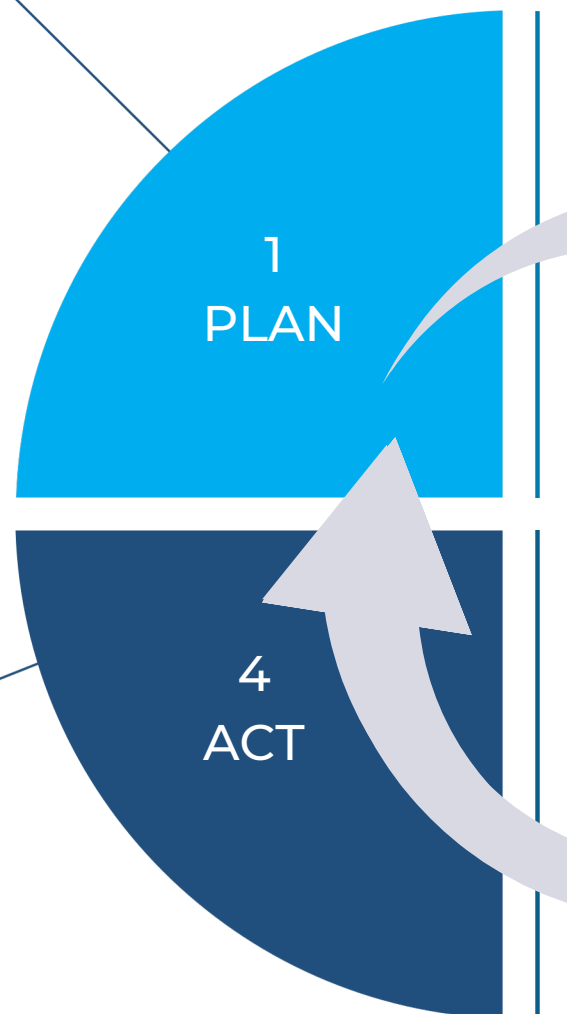
STEP 1

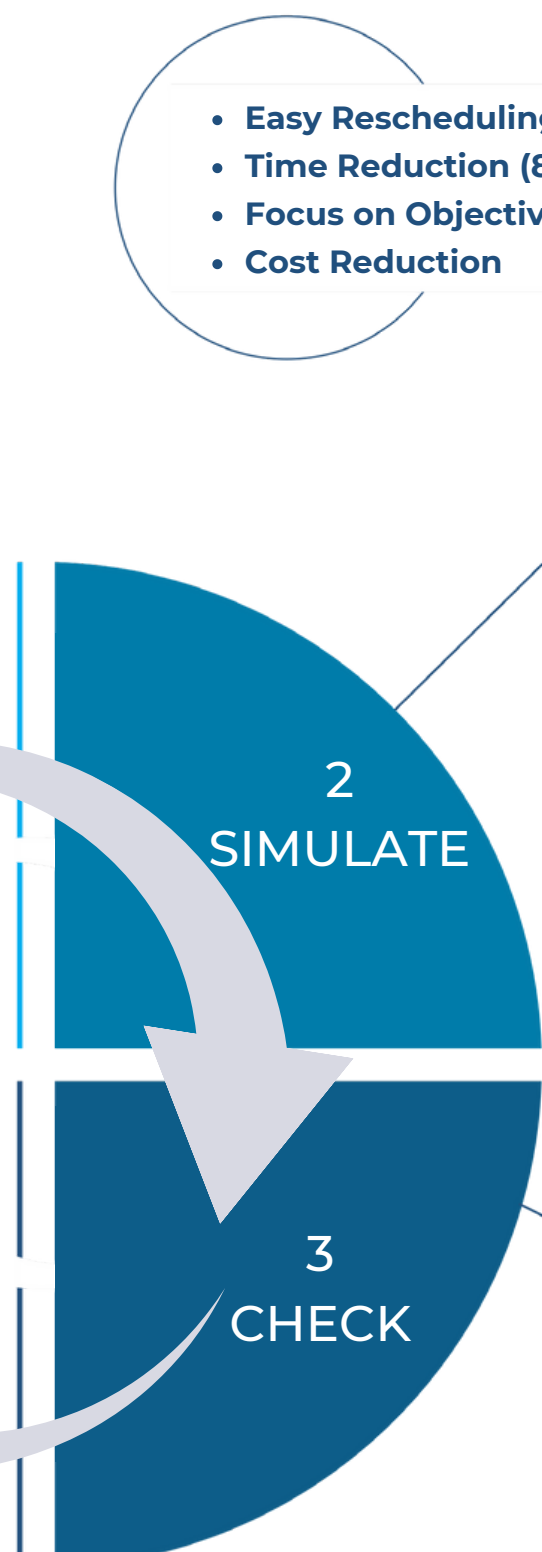
By using your data gathered from multiple sources (ERP, CRM, MES), CyberPlan allows you to model and visualize your entire supply chain. This way, you have full control over all operations, demand, and inventories in a single platform. Thanks to CyberPlan's powerful graphics, you can easily identify inefficiencies and errors in your plan, helping you improve and maintain the quality of your data and information.



STEP 4

Once problems and causes are identified, you can make decisions and react quickly to determine the best strategy to implement. Adjust the plan by creating and simulating different scenarios, and validating their feasibility. With CyberPlan, you can act before the event occurs, finding the best solution and creating the optimal plan. Once the plan is finalized, you can share it with the rest of the company, transferring the plan data and purchase and production proposals back to the ERP system or other systems.



- 
- **Easy Rescheduling**
 - **Time Reduction (80%)**
 - **Focus on Objectives**
 - **Cost Reduction**

“

Thanks to CyberPlan we can take decisions quickly. It gave us the possibility to simulate the complexity of the whole company in less than 2 minutes.

All these aspects allowed us to reduce lead times and set up times, reaching a service level of absolute excellence.

”

S. Setti - Sr Vice President Industrial Operation Silca – Dormakaba Group.

STEP 2

Once the plan is visualized and modified, you can run the CyberPlan simulation, which, in just a few seconds, activates advanced planning algorithms (MRP, CRP, FCP, FCS). Thanks to CyberPlan's unique computational power, you can quickly simulate the entire complexity of the factory, considering all capacity and material constraints, creating feasible production plans. You can measure the quality of your plan by:

- Service level and reliability of scheduling
- Inventory levels and stockouts
- Resource saturation
- Feasible and balanced production plan
- Purchase plan aligned with production
- Reliable delivery plan
- Realistic revenue plan
- Material flow
- Costs and margins of the plan

STEP 3

Thanks to the graphics and a series of alarms and metrics, you can instantly identify the issues in your plan by exploring the causes in detail. For example, you can see if an order will be delayed and understand whether it's due to a machine load issue or a supplier delay.

ADVANCED TECHNOLOGY

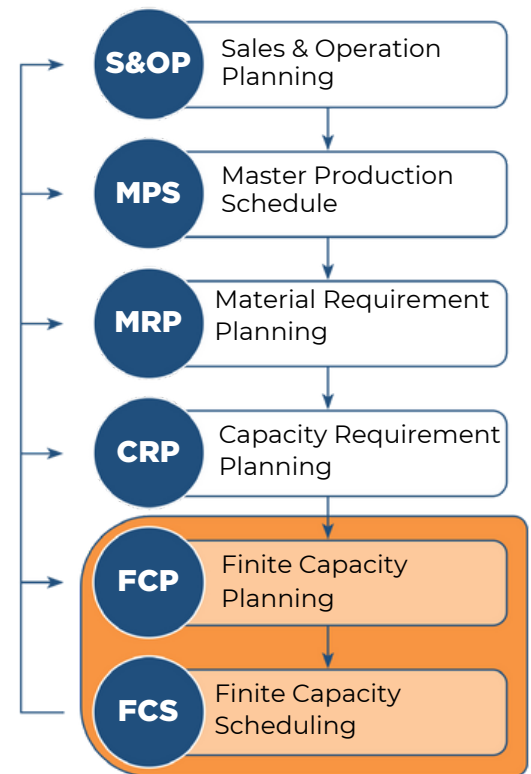
CyberPlan is constantly improved and uses cutting-edge, state-of-the-art technologies. Additionally, it comprises a set of unique technologies that can be found in a single software solution.

Planning algorithms

CyberPlan è l'unico software ad integrare in un'unica piattaforma tutti gli algoritmi di pianificazione: MPS, MRP e CRP con l'aggiunta degli algoritmi di pianificazione e schedulazione a capacità finita (FCP ed FCS). L'unificazione di questi algoritmi consente di creare piani di produzione con una qualità e velocità nettamente superiori ai comuni schedulatori e APS.

Synchronizes the production flows

With the combined power of finite capacity and simulation capabilities, you can synchronize production flows. Plan all production lines simultaneously while considering factory constraints. Find the best balance between market demands and resource constraints, in line with strategic objectives. Simulate various events, measure their effects in advance, and implement corrective actions on time and with greater certainty.



In-Memory Database

It ensures extremely high speed, allowing continuous human-machine interaction and enhancing the performance of production scheduling.

What-if Simulation

It allows for the rapid and accurate creation of multiple scenarios, helping to choose the best possible plan and preventing risks and profit losses.

Powerful Design

It allows you to quickly identify the critical issues in the plan and their effects, maximizing visibility and control across all business functions. It also offers easy data exploration.

Solid and Secure Integrations

It ensures a smooth information flow with tools such as Microsoft AX, SAP, Oracle, and Salesforce, guaranteeing maximum efficiency and information symmetry.

Web and Cloud

CyberPlan is available in the Cloud and on a web platform, maintaining the same computing performance and speed as the client-server version.

Finite Capacity

CyberPlan is the only APS that considers finite capacity constraints for both capacity and materials.

High Configurability

It is easier to model the production reality in CyberPlan than in most other APS, avoiding approximations and getting as close as possible to the specific characteristics of each individual company.

Scalability and Usability

The platform supports multiple applications, data, and users without interfering with system performance. Additionally, it offers a user-friendly experience that allows for the visualization of data transformed into actionable information.

Experience and Progress

Non solo la tecnologia, ma anche il know-how sono un fattore differenziante dei progetti Cybertec. Centinaia di progetti e anni di esperienze hanno portato alla definizione di una metodologia di progetto che garantisca al cliente il massimo risultato in tempi e costi contenuti e con rischio nettamente ridotto. Questa metodologia di progetto ha ottenuto una percentuale di successo del 100%.

Agile Methodology, Guaranteed Results and Timelines

Project activities follow an "Agile" approach, an iterative method for managing analysis, configuration, and implementation tasks, progressing through releases. The release-based progress allows for the creation of a cohesive team between the client's team and the Cybertec team from the very beginning of the project. In fact, by the end of the first phase, the client's team will be able to actively collaborate in the creation of the prototype, having gained sufficient knowledge of CyberPlan, and vice versa.

Certain Benefits

- Zero Project Risks
- Fixed costs and timelines
- Immediate client involvement from the start of the project
- Early identification of critical aspects
- Progress through successive and improving releases



The project respected times and amounts whilst the results have been even higher than expected: in a 4 months times we eliminated the risk of stock out and almost immediatly we reached the ROI.



P. Zanussi - Planning Manager at Unifarco



ANALYSIS AND INTEGRATIONS

- Define the configuration of planning processes and identify potential critical issues
- Configure the capacity model
- Identify improvements and KPIs

MODEL - PROTOTYPE:

- Data validation
- Data flow implementation
- Configuration and extension of the model

GO-LIVE:

- System startup
- Refinement
- Estimated return on investment

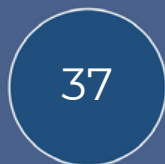
LEADER IN THE SUPPLY CHAIN SOLUTION

A worldwide solution

Manufacturing companies worldwide choose Cybertec as a partner for planning and scheduling production. Every day, companies from various industries, adopting different strategies and producing a wide range of products, use the CyberPlan APS to schedule production. Cybertec is continuously growing and ensures the cutting-edge nature of its solutions through significant investments in research and development.



Continents



States



Clients



Users



Available Languages



Automotive



Food and Beverage



Consumer Goods



Chemical and pharmaceutical



Metal works and
electromechanical Packaging



Electronics



Factory Machinery



Metal Works



Wood and Paper



Packaging





The relationship established with Cybertec is excellent, with a team that is skilled, approachable, and highly professional. Using CyberPlan has enabled us to streamline and optimize factory scheduling, **increasing the service level by 26%** (from 0.65 to 0.82) in just a few months.

N. Masala
Turbines and Dynamo Planning
Manager



At Cybertec, we found analytical skills, problem-solving efficiency in short timeframes, expertise, and availability. Thanks to CyberPlan, **we achieved a 30% increase in scheduling efficiency and a 10% reduction** in average inventory coverage.

M. Visentin
Material Manager



The relationship with Cybertec has been outstanding, with a team of skilled, approachable, and highly professional individuals. Implementing CyberPlan has enabled us to streamline and **optimize factory scheduling, boosting the service level by 26%** (from 0.65 to 0.82) in just a few months.

F. Coccon
Supply Chain Manager



CyberPlan supports us in monitoring the KPI required by the client: **OTIF** (On-Time and In-Full delivery), **which is now at 99.8%**. This is also thanks to our ability to ensure compliance with delivery dates.

P. Moroni
Resp. Produzione



We have achieved a significant improvement in resource management, a 50% reduction in scheduling time, **and a 30% increase in turnover**. As a result, we quickly extended the solution to all other locations.

Lorenzo Romagnoli
Materials management



GE Oil & Gas



Having quick and visual access to information has been a major leap forward for planning, purchasing, production, and inventory management. With the support of CyberPlan, **Uniflair now achieves an on-time delivery rate of 96%**, ensuring an excellent level of service.

Luca Masiero
Supply Chain Manager



WHY CYBERPLAN?

Those who use CyberPlan have access to the most comprehensive APS solution on the market.

CyberPlan ensures exceptional processing speed thanks to its RAM-based database technology. At the core of the solution lie advanced finite-capacity simulation algorithms, enabling effective comparisons between potential scenarios. Its user-friendly graphics and web platform (ahead of its time in the industry) make the Cybertec approach accessible to any type of client. The solution is further enhanced by its high configurability and robust, reliable integration with any ERP system. These features provide the renowned versatility that is a key element in the context of Industry 4.0, where achieving a perfectly integrated IT infrastructure is essential.

Every Company is Unique

No two companies are the same, which is why every project is designed with careful attention and a focus on the business results that define all our interventions. Industry best practices, international standards, and over 30 years of experience form the foundation of Cybertec clients' success. Our clients find in our consultants reliable and approachable professionals who guide them through every project phase, jointly evaluating and measuring the results achieved while suggesting actions to initiate a process of continuous improvement.

WHY HUNDREDS OF COMPANIES CHOOSE US EVERY DAY



Finite capacity,
advanced algorithms



Experience
and Know-how



Cloud based



Rapid and personalize
implementations



User-friendly
Graphics



Specialized consulting



In-memory Database



ROI within the year



Stable and Reliable
Integration



360° Assistance



The background of the slide is a grayscale photograph of an industrial setting. On the right, a worker wearing a hard hat and safety glasses is looking at a large, circular metal component, possibly a turbine or a large wheel, which is mounted on a stand. To the left, there are more large, circular metal components, some of which appear to be part of a larger machine or assembly. The scene is lit with bright, overhead industrial lights, creating a high-contrast environment. A dark blue rectangular box is overlaid on the right side of the image, containing white text.

UPGRADE YOUR SUPPLY CHAIN TODAY

Model your supply chain process to simulate and create optimized plans, achieving your predefined business objectives.

Contact Cybertec today for a demo and see for yourself how to improve performance and react faster and more effectively than your competitors.

Discover why Cybertec clients are among the most high-performing in the world.



LEADING VENDOR IN THE SUPPLY OF SOFTWARE & SERVICES FOR THE DIGITAL SUPPLY CHAIN

Cybertec was founded over 30 years ago through a fortunate meeting between technology and supply chain planning in the manufacturing sector. With over 700 active clients in Italy and abroad, and a network of certified VAR partner distributors, **Cybertec is now a leader in the international market for Digital Supply Chain projects.** These range from Demand Planning and Advanced Planning and Scheduling (APS) to Execution with the implementation of MES/MOM solutions for real-time management and control of the production process.

The hands-on experience and niche expertise of our qualified consultants and partners have allowed us to successfully complete numerous high-quality projects across various manufacturing sectors. We work alongside top manufacturing companies that believe in the value of innovation and technology to support their processes. **Our solutions, CyberPlan and Opera MES, form a perfect combination for the management, optimization, planning, and control of the entire production process.**

In 2020, Cybertec became part of the Zucchetti Group, the leading software house in Italy for its wide range of offerings in the ICT world, also present in many foreign countries. While maintaining its strategic and operational identity, Cybertec has become the reference point for the entire group in the field of APS/MES/MOM solutions, a key integral part of Zucchetti's Digital Supply Chain offering.

CYBERPLAN

CYBERTEC S.R.L. Società a Socio Unico
Trieste - Sede Legale e operativa
Via Virgilio 34, 34134
Padova - Filiale
Via Regia 88, 35010 Vigonza
+39 040 898111
info@cybertec.it
www.cyberplan.it

Opera MES

Business Unit OperaMES
Bologna - Sede Operativa
+39 051 860402
info@operames.it
www.operames.it