

ascon- Planner



Finite capacity with Infor LN

More reliability, less trouble.

Does the following sound familiar?

- Planning against an infinite capacity?
- Start date in the past?
- Expeditors rule the day?
- Dates, missing parts, machine allocation or utilisation are collected in isolated Excel lists without any feedback to the ERP system?
- No real transparency regarding the actual available capacity?
- Lots of effort needed to calculate any bottlenecks regarding resources?
- Buyers and planners drowning in acceleration messages?

The conventional MRP system plan independent requirements by starting from the requirement date and then calculate backwards from here, level by level. Provided the independent requirements (sales orders, forecasts) themselves do not have feasible due dates, they will create past dates for their order structure and an arbitrary capacity overload.

Thus becomes difficult for the end-user/operator to determine whether the desired deadline for a customer's order or the made-to-stock production is feasible.

This leaves many questions:

- When can we deliver?
- Will we deliver on time?
- Where are the bottlenecks in the order?
- What do we need to do first?

That's why you need an APS!

The only solution is an APS planner. The outcome:

- No more past due-date scheduling
- Capacity bottlenecks re-scheduled
- Availability of material checked
- Priorities taken into account
- Bottlenecks pointed out transparently
- Feasible production deadlines

A deadline is feasible when both the material and the capacity are available. Thus the important aspects take precedence over the less important!

Ascon plug-in converts LN to APS

LN-standard also belongs to the conventional ERP systems, which do backwards planning.

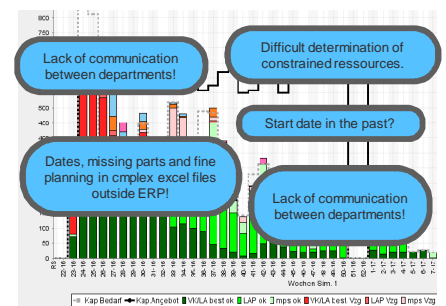
In contrast our fully compatible add-on ascon-planner (as an APS in the Infor/LN environment) calculates all deadline dates backwards and forwards simultaneously in several stages against possible limited capacities and material.

This results in a comparison between the desired date and a feasible date.

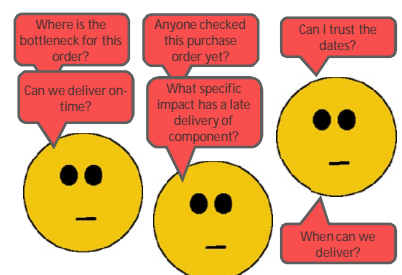
Priorities are taken into account, feasible production sequences are proposed and bottlenecks are pointed out transparently.

With a simple click the sales department can determine the feasible date directly when entering the sales order, which will have been checked against capacity and material availability in several stages.

Your daily challenge?



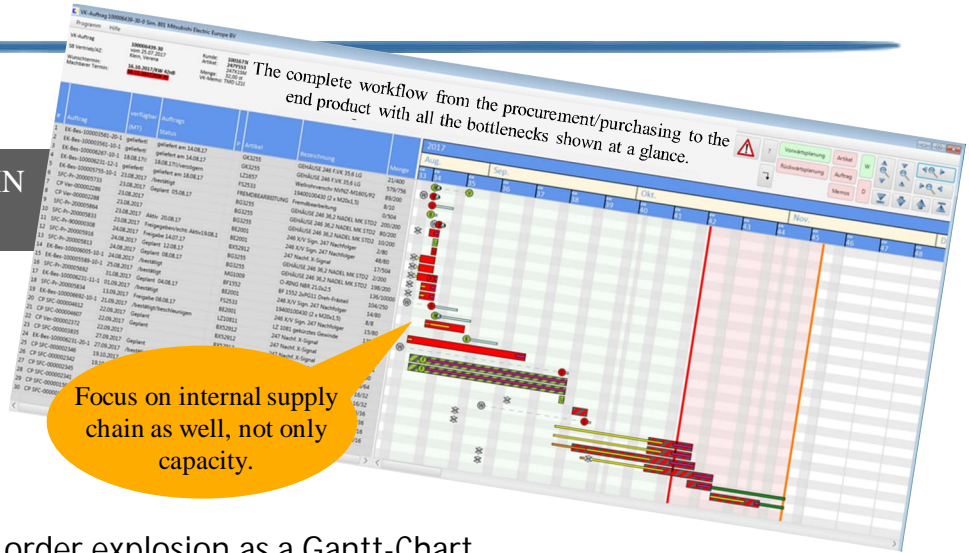
... many unsolved questions:



However, with ascon-planner:



TUNE YOUR INTERNAL SUPPLY CHAIN WITH THE ASCON PLANNER



Sales / Order Control Centre.
 Determining the feasible deadlines and bottlenecks directly when accepting orders. Monitoring of deadlines and forwarding in case of deadline problems. Where is it the issue? Where are the bottlenecks? When will we be finished?

Purchasing / Procurement.
 Specific indications regarding changes in demand, differentiating between direct/indirect demands for customer orders and stock orders. What has to be accelerated because of a customer order? Which purchased parts are a bottleneck for new customer orders?

Production Control.
 Support realistic capacity planning, proposals for sequencing, urgency and backlog processing, monitoring instruments for on-time production, notification of impending material and capacity bottlenecks.

Sales order explosion as a Gantt-Chart.

In the form of a Gantt-Chart the collective order network shows the remaining order processing until the final completion of the product including all the bottlenecks. In the chart tooltip the cursor activates the various resource data including information on the purchase order, production order, production proposals and much more...

A Gantt-chart is directly accessible from various sessions. e.g. a sales order item is displayed with the info "will probably be completed 5 days too late". A mouse click on this line will open the Gantt-chart which transparently shows the bottlenecks. Thus you know what to do timely and maybe will still be able to save the order!!

- Production order/production proposal on time or too late. The tooltip shows the order details.
- Capacity bottleneck with a delayed commencement of operations. The tooltip shows the relevant machine or department.
- Remaining run-time of a production order.
- Shows a memo text regarding a production or purchasing order (e.g. "not possible earlier").
- Construction site sign shows that a work plan/production schedule is still missing or that a signal code has been set.

Automatic rolling resource planning.
 After the MRP, the ascon-planner automatically revises the internal schedules/appointments. It plans rolling limited capacities and re-schedules operations if the delivery by the supplier is expected to be late. It checks all collective order networks and reports when it is foreseeable that a sales order will not be completed on time.

Anticipatory monitoring of delivery date forecasts for sales orders.

Auftragsart	VK-Auftrag	VK-Position	Artikel	Kunde	Auftrags Datum	Plan. Liefertermin	bestätigt	machbarbar	Verzugs Prognose [ATC]	VK Memo	Art der Deckung	Hinweis	
	VK-Auftrag	100006787	10	0	6113Y020	100170092	H	NOF	07.08.2017	07.09.2017	✓	gept Zugang	Bestand (echt!)
	VK-Auftrag	100006787	20	0	CDPDRIVE	100170092	K	OF	07.08.2017	07.09.2017	✓	gept Zugang	Bestand
	VK-Auftrag	100006836	10	0	2AZ5.0256082.0	100170516	L	T	08.08.2017	07.09.2017	✓	gept Zugang	Bestand
	VK-Auftrag	100006842	10	0	2444KZPG0K050	100126049	EI	TE	09.08.2017	07.09.2017	✓	gept Zugang	Bestand
	VK-Auftrag	100006848	10	0	L ME	09.08.2017	07.09.2017	✓	21.09.2017	10	OK	gept Zugang	genehmigt (ohne Lager)

Take counter measures on time!
 The earlier the more possibilities you have!!

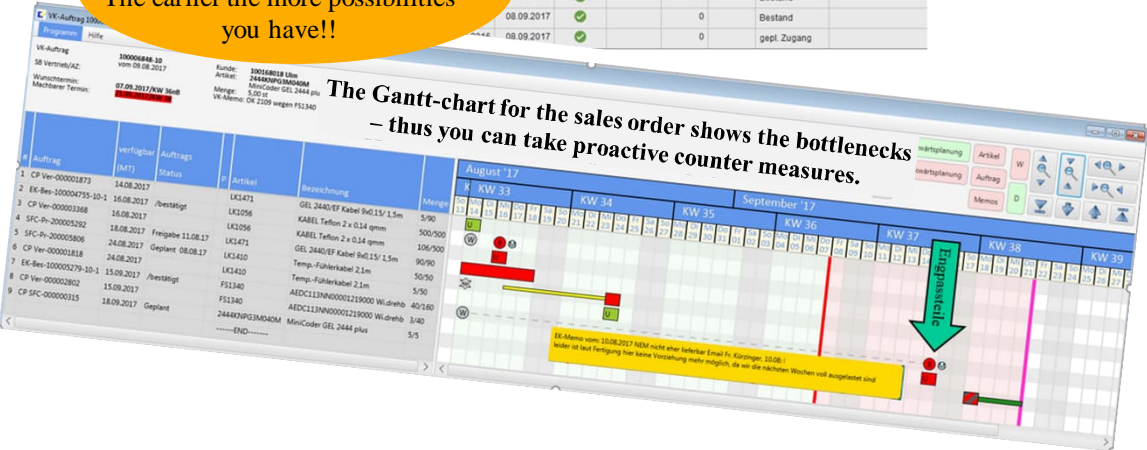
The Gantt-chart for the sales order shows the bottlenecks – thus you can take proactive counter measures.

SALES MONITOR

In the sales monitor session the ascon-planner shows all the open, not yet delivered sales items or the sales delivery schedules with their availability status (inventory, projected receipt, ...). It also shows a current default forecast should an item be delayed.

In the given example, the cause of the delay is a purchased part which will be delivered much too late and this jeopardises the timely final assembly.

Forewarned is forearmed!



CAPACITY



Automatic, semi-automatic or manual sequencing for constrained resources on short term

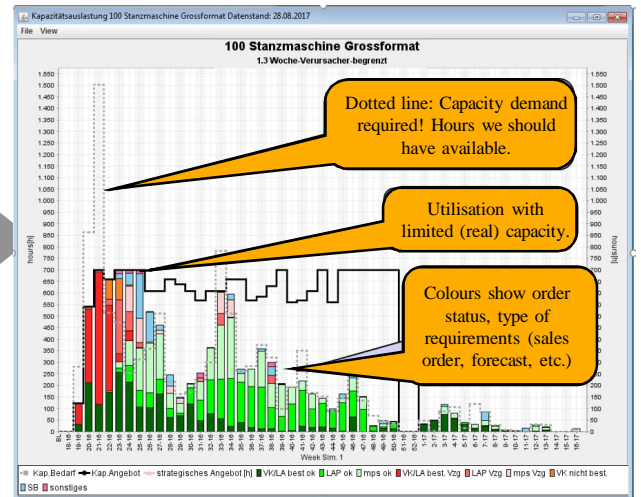
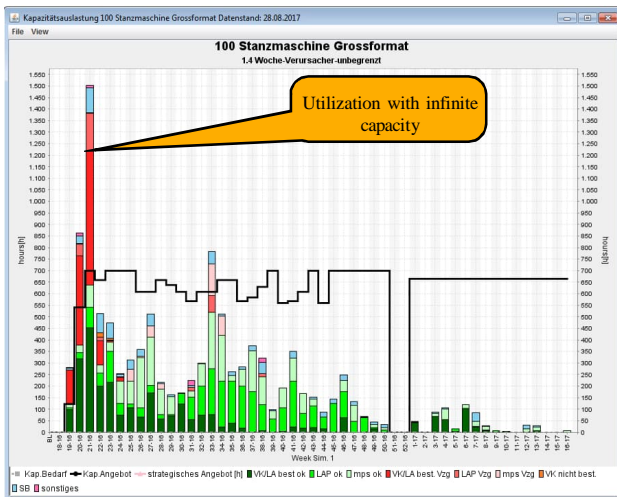
Reihe	machbare r Start	Wunsch-Start	AG Vrzg	OK Code	Produktionsau ftrag	Arbeits gang	Auftrags- Status	A F	AG-Rest-Bearb eitungszeit (h)
1	15.08.2017	15.08.2017	06:00:00	0 *	404575729	150	Freigabe 26.07.17	Startbereit	35,48
2	15.08.2017	15.08.2017	06:00:00	0 c	404580881	150	<fertig>	Fertig	13,47
3	15.08.2017	15.08.2017	06:00:00	0 c	404580870	10	Freigegeben/echt: Aktiv	Aktiv	5,41
4	15.08.2017	15.08.2017	06:00:00	0 *	404555161	10	Freigabe 27.07.17	Startbereit	6,68
5	15.08.2017	15.08.2017	06:00:00	0 *	404581885	150	<fertig>	Fertig	4,53
6	15.08.2017	15.08.2017	06:00:00	0 c	404582535	150	Freigegeben/echt: Aktiv	Aktiv	1,53
7	15.08.2017	15.08.2017	06:00:00	0 c	404585393	150	<fertig>	Fertig	1,56
8	15.08.2017	15.08.2017	06:00:00	0 *u	404578700	150	Freigegeben/echt: Aktiv	Aktiv	1,25
11	15.08.2017	15.08.2017	06:00:00	0 *	404581597	150	<fertig>	Fertig	1,15
12	15.08.2017	15.08.2017	06:00:00	0 c	404585897	150	Freigegeben/echt: Aktiv	Aktiv	1,23
13	15.08.2017	15.08.2017	06:00:00	0 c	404584468	150	<fertig>	Fertig	1,13
12	15.08.2017	15.08.2017	06:00:00	0 c	404588203	150	<fertig>	Fertig	1,23
13	15.08.2017	15.08.2017	06:00:00	0 c	404588203	150	<fertig>	Fertig	2,21
1	15.08.2017	15.08.2017	06:00:00	1 c	404584546	150	Freigabe 10.08.17	Startbereit	1,20
1	15.08.2017	15.08.2017	06:00:00	1 *	404587121	150	Freigabe 03.08.17	Startbereit	3,01
2	15.08.2017	15.08.2017	06:00:00	1 #	404585258	10	<fertig>	Fertig	7,99
1	15.08.2017	15.08.2017	06:00:00	1 c	404582777	10	<fertig>	Fertig	15,65
2	15.08.2017	15.08.2017	06:00:00	2 Mw	404588110	150	Aktiv 15.08.17	Aktiv	

The tool works autonomous. Human interaction is only needed for special cases and manipulations.

Limiting Capacity

The tool does most of the work on its own. The operator/end-user only intervenes to correct. For each machine or department you have the choice of: limited capacity or unlimited capacity. You define such settings in the master data of the add-on. The ascon planner then automatically takes into account the limitation in its planning run. You can even run different simulations parallel in the same installation with different planning settings. e.g. "What effect would a 3rd shift in department 4711 have?"

The result of the automated continuous and rolling planning is a multi-tiered coordinated daily- or shift-sequence proposal for the execution of the various operations. The planning can either be printed as a processing list or transferred to the PDA (production data acquisition) or displayed on the screen, where it can be worked on and corrected manually.



Unlimited capacity.

Unlimited capacity in the planner, nevertheless, eliminates all past dates. Past is Past! In each case the material availability is also checked. Various coloured bars in the capacity chart denote which primary requirements generate the capacity utilisation: Sales orders or sales delivery schedules? Confirmed or unconfirmed sales orders? Foreseeably too late or probably on time? Or it shows only forecasts and stock orders to determine the safety stock levels.

In the capacity chart you can, of course, also switch between an exact daily or weekly based display.

An automatic limitation of the capacity gives you a clear indication of your deadlines.

FAST FACTS



> 90%

After a while, our customers experience over 90% internal on-time performance. Of course the tool alone does not achieve this by itself, the organisation must be streamlined as well.



80x

More than 80 companies are using the ascon-Planner, with far more production facilities involved.

Limited capacity.

You decide which capacity will be limited. When the capacity is limited, then less important operations are automatically postponed, should this be required: e.g. a light blue bar in the chart denotes stock orders without a current demand, which are then moved to a later date in the event of a bottleneck. OR operations for unconfirmed orders automatically move behind those for confirmed orders. Of course the availability of materials is also taken into account. And the whole operation is propagated throughout the collective order network on several levels.

The dotted lines in the chart denote the actual capacity requirements. In this way the production supervisor can see whether additional work is necessary. A glance at the "unlimited capacity" chart then shows, which pegged order would benefit from an additional capacity. If these are just stock orders, the additional shift may not be worthwhile.

PURCHASING MONITOR

The procurement monitor was created to keep track of purchasing and procurement. It shows all open purchasing order items in an easy-to-read list.

“Show me all my order items, which I should expedite by at least 4 days because of sales requirements and which I have not yet processed.” This is the filter which then selects the correct and important items from the sum of data. There will be no more acceleration-message “tsunamis”! Thus colleagues don't constantly have to ask the purchasing team.

If the process cannot be accelerated, the responsible buyer makes a note in the purchasing-memo and thus suppresses a further acceleration message. The purchasing-memo then pops up again in the relevant sales order in the Gantt-chart.

Efficient monitoring of orders: Without on-time delivery there can be no punctual production.

Auftragsart	Auftrag	Position	Artikel	Disponent (Bestellung)	Lieferant	Bestell-Datum	Liefert. geplant	Neu	Bedarfs-Termin	ToDo	Pos. Klasse	EK-Mem	vorr. um	Relevanz
EK-Bestellung	100005922	10	BL5356	1238	Markel	ITT INDUSTRIES	21.07.2017	18.09.2017	J	11.09.2017	beschleunigen	VK Auftrag	EP	0 (3)
EK-Bestellung	100007358	10	MG1521	1175	Markel	ITT INDUSTRIES	13.09.2017	18.09.2017	N	07.09.2017	beschleunigen	VK Auftrag	ANF	0 (0) AB angemahnt 18.09.
EK-Bestellung	100007235	10	LK1401	1238	Markel	ITT INDUSTRIES	06.09.2017	20.09.2017	N	14.09.2017	beschleunigen	VK Auftrag	ANF	2 (0) E-Mail Zeiger 12.09. / AB angemahnt 18.09.
EK-Bestellung	100005670	20	BF1552	1320	Markel	ITT INDUSTRIES	06.09.2017	22.09.2017	J	31.08.2017	beschleunigen	VK Auftrag	ANF	4 (0) Mail Hemberger
EK-Bestellung	100003233	10	BL5516	1238	Markel	WUERTH	19.04.2017	25.09.2017	J	13.09.2017	beschleunigen	VK Auftrag	EP	5 (6)
EK-Bestellung	100003947	10	RM8816	1794	Markel	WT						ANF	5 (79) Email Hk Papenberg, 06.05	
EK-Bestellung	100005555	10	GK3258	1175	Markel	SP						EP	7 (7)	
EK-Bestellung	100005367	10	GK2951	1794	Markel	HE						NLT	3 LT neu: 21.09.2017(-72)	
EK-Bestellung	100004696	10	LK10951	1833	Markel	NE						ANF	9 (81) Mail Fr Coeckelsbergs 06.09. / Hr. Franzen 14.09.	
EK-Bestellung	100005343	20	RV8056	1794	Markel	AN						NLT	9 (13) Tel. H. Steber 05.09.	
EK-Bestellung	100001110	10	GK2202	1320	Markel	HE						EP	9 LT neu: 15.09.2017(28) Mail an Fr. Wolke 07.09.	
EK-Bestellung	100005514	10	SK2410	1833	Markel	GE						EP	11 LT neu: 23.08.2017(27) Tel. Schettler 14.09.	
EK-Bestellung	100003981	20	RM8875	1794	Markel	WT						ANF	15 (47) Tel Papenberg 11.09. LT wohl in KW 39 / Wunschter	
EK-Bestellung	100004358	40	AT8008	1794	Markel	RU						ANF	1 (1) Wunschtermin hinterlegt	
EK-Bestellung	100005700	10	LK1052	1175	Markel	LE						ANF	16 LT neu: 06.10.2017(-86) E-Mail Fr. Geyer 13.09.	

Memos - so that colleagues do not have to constantly ask the purchasing team!

Buyer can focus on most critical purchase orders!

SALES ORDER ENTRY WITH ATP/CTP CHECK

After entering the complete sales order in LN you have the option to progress to the ascon ATP/CTP session by just pressing the button “ATP”.

This results in a feasible date for each sales line, which has been checked on various levels against capacity and material. Even simulated production proposals are generated automatically and orders are rescheduled accordingly.

Too late? With one click you will be able to see the responsible bottleneck in the Gantt-chart. In this way “countermeasures” can be initiated quickly, or the customer is informed of the newly determined deadline.

The screenshot shows the ATP/CTP check results for a sales order. The main table displays the following data:

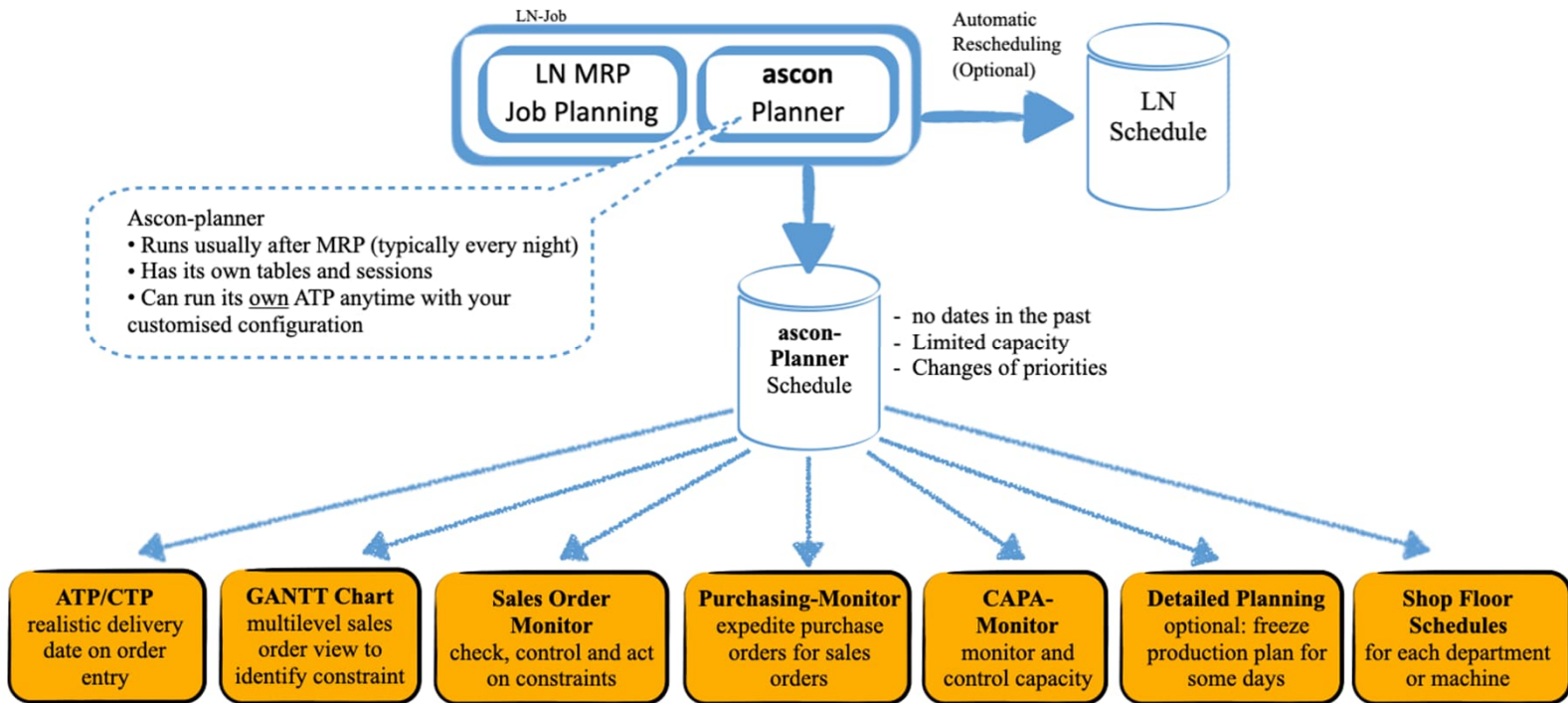
VK-Position	Artikel	Auftragsmenge	VK-Liefer Termin	Prüfergebnis Machbarkeit	machbarer Termin	Verzugs-Prognose [ATG]	VK-Memo	EK-Engpass	Verfügbarkeit
10	2478XWP400KANK12	50,0000	05.10.2017	Termin passt	05.10.2017	0	OK		gepl. Zugang
20	2478XWP400LANK12	50,0000	05.10.2017	nicht machbar	07.12.2017	44	OK		gepl. Zugang

The Gantt chart below shows the production schedule for 2017, with a red bar indicating a bottleneck in week 48.

To ensure no confirmations will be submitted to customer without feasibility check!

This shows the bottleneck part of an external processing order with a planned delivery date in calendar week 48. The parts can only be assembled after receipt of this external processing order and would then be ready in calendar week 49.

INTEGRATION INTO THE COMPANY



FULL INTEGRATION ADVANTAGE

Common environment and technology within LN

In contrast to “docked-on third party software” such as the dedicated control centre, external APS or MES systems, the ascon-planner allows a continuous resource planning from the sales and distribution to the assembly and purchasing providing the operator with a completely transparent overview of the schedule and status of every item. All this happens within the LN environment for all end-users.

- No complication and duplication of the IT environment through additional systems, data bases, interfaces, user-interfaces and system administration.
- No useless follow-up costs for the overhead system.

- Full integration into the LN user interface.
- Fully transparent overview of all deadlines in the internal supply-chain.

- Considerably lower project costs with virtually identical benefits.
- Quicker return on investments,
- Tailored to the SME sector (Small and Medium Enterprises)

- The training of the users is quick and has a high rate of acceptance because they already are proficient in the LN surface.
- This package is a fully compatible add-on to the Infor/LN system.
- The release compatibility of Infor/LN is fully retained.
- The installation time is only 30 minutes!

- Faster introduction. Rapid prototyping. Prompt project completion.
- The test installation is executed in your LN-live environment using your real-time data!
- The first results are obtained only a few hours after the installation.
- Of course the project implementation and training is part of the package.

Interested? [Contact us!](#)

More than 80 companies trust ascon solutions.



"The user-friendly add-on makes the work quick and easy. It saves us time and money."
*Istvan Schwarzenberger, Head ERP Team
 Güntner-Tata Kft., Ungarn*



"With the ascon Planner, we have increased the internal delivery reliability of goods to stock from 60% to over 90%, significantly reduced stock levels and the WIP value, and significantly improved on-time delivery to the customer."
*Klaus Mensch, Head of Production
 Albert Handtmann Armaturenfabrik GmbH & Co.KG*



"Expediter meetings", which used to take place daily, were stopped after the Planner was introduced. Because no action was taken until the end of the process at that time, there was usually nothing we could do anymore about the orders. If so, it was often by using overtime."
*Peter Fiebig, Project Management IT
 Maschinenbau Kitz GmbH*

"The use of ascon has contributed significantly to mk's increased results through process optimization."
Peter Fiebig, Projekt Management IT Maschinenbau Kitz GmbH



"The ascon Planner has one of the best cost-benefit ratio of all the system tools that we have ever acquired."
*Rodrigo Velazquillo, Change Management,
 Güntner de México, S.A. de C.V.*

"ascon planner is giving us a compiled and organized 360 review of all the planning ERP relationships, it is helping us to maintain a controlled planning environment and it is visually preventing us for future problems that may arise."
*Rodrigo Velazquillo, Change Management,
 Güntner de México, S.A. de C.V.*



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