



HORN & COMPANY

Working capital optimization with Process Analytics

Part 1: Focus Accounts Receivable

Düsseldorf, October 2024

With the right measures, significant WOC and efficiency potentials can be achieved

Extract of Horn & Company project results

Focus of this whitepaper



Optimization of
Accounts Receivables

30% Reduction of **payment periods** & harmonization of payment terms

90% Reduction of **lead time** between delivery and invoicing

60% FTE reduction within the **accounts receivables** department

Reduction of DSO
by 20 - 30 %^{a)}



Optimization of
Accounts Payables

40% Increase of the **Accounts Payables** with the same purchase volume

99% Of the **cash discounts** are taken automatically

85% **Automation rate** of the invoice receipt check

Increase of DPO
by 25 - 40 %^{a)}



Optimization of
Inventories

35% Reduction of **anonymous inventories** with an increase in availability

55% Reduction of **customer-specific inventories**

50% FTE reduction in **disposition** and inventory accounting

Reduction of DIO
by 20 - 35 %^{a)}

With the H&C approach for Working Capital optimization, high cash & efficiency effects can be achieved – in the short run as well as permanently through sustainable implementation

a) Depending on the maturity of the processes and the previous working capital focus

Content



1.

The Horn & Company approach for WOC optimization



2.

Typical project results & improvement measures for Accounts Receivables

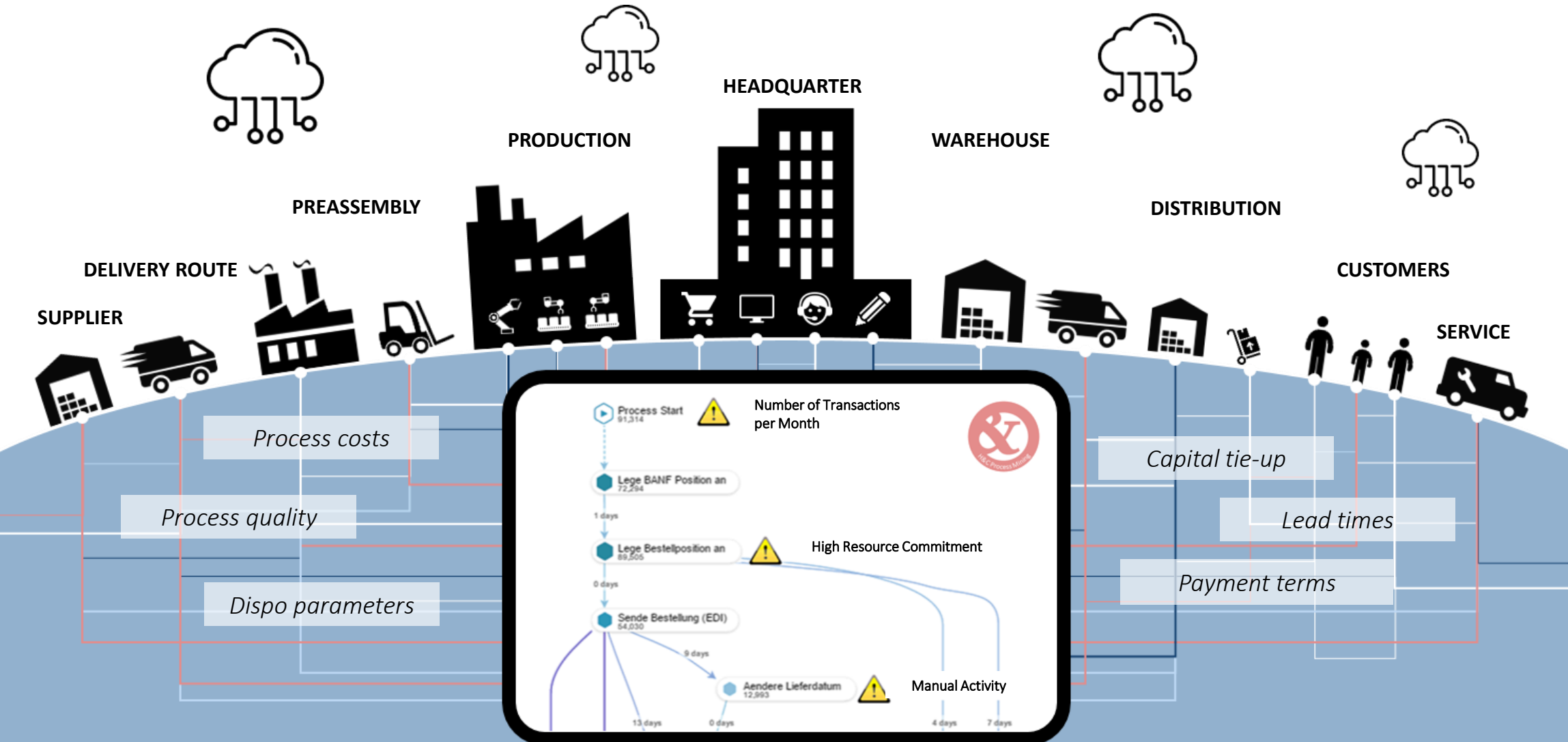


3.

Horn & Company profile

We create data-driven transparency - End-to-End from customer to customer.

As an "X-ray machine" Horn & Company Process Analytics identifies stock drivers along the entire process chain



Optimization through combination of process, financial & inventory data

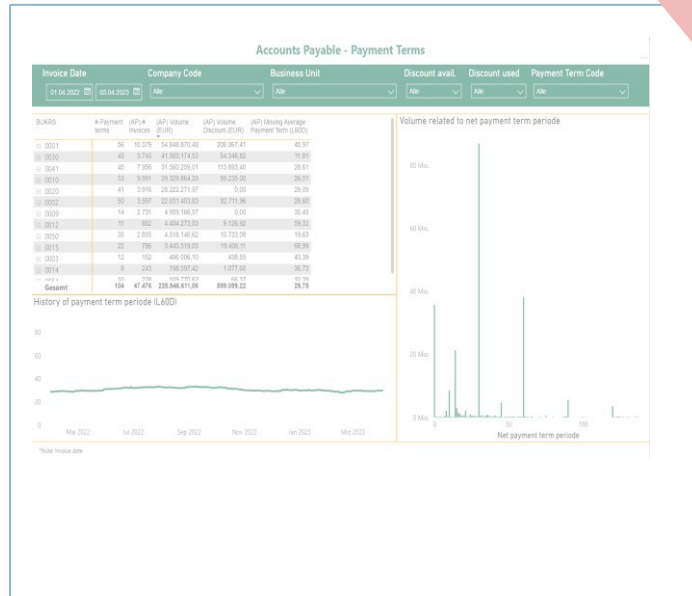
Overview of the Horn & Company approach



Financial Data

- Payment terms
- Payment behavior
- Quantitative simulations

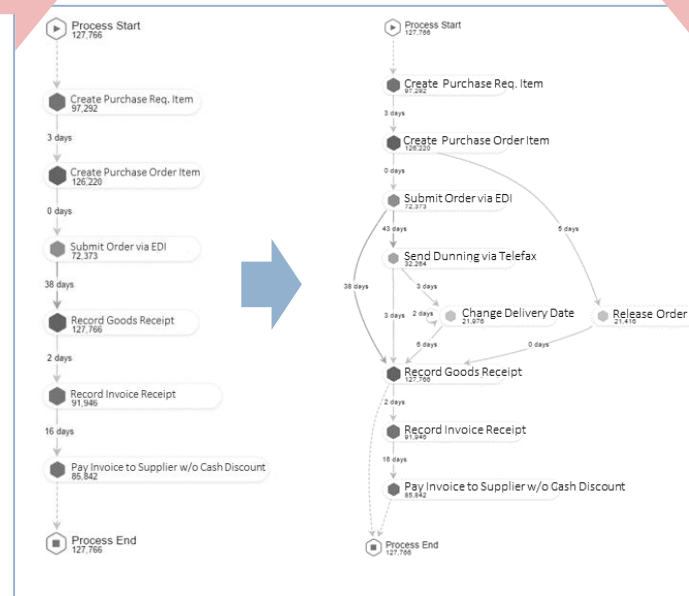
At single invoice level



Process Analysis

- Transparency over processes and behaviour
- Detection of bottlenecks and lost time
- Across all processes, e.g. OtC, PtP, ...

At purchasing/sales document level



Inventory Analysis

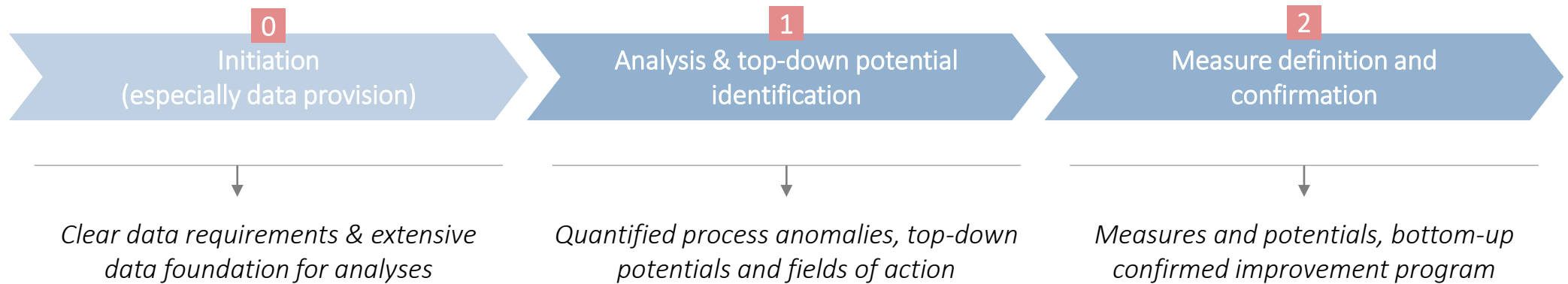
- ABC/XYZ classification
- Stock range and dead stock analyses
- Automatic identification of weaknesses

For every single material number



From data-driven WOC analysis to evaluated & prioritized potentials

Project phases and results



Content



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Typical project results & improvement measures for Accounts Receivables



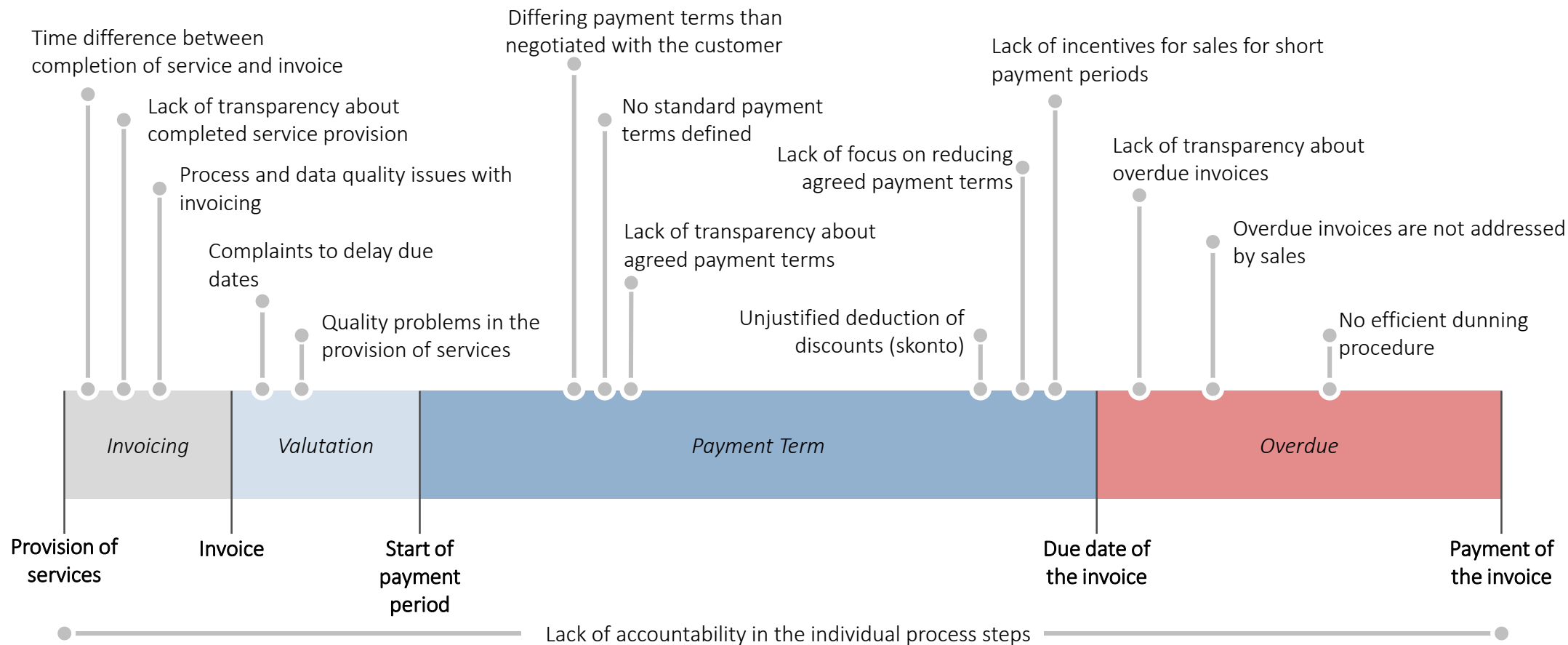
3.

Horn & Company profile

High accounts receivable are caused by a variety of process issues

DeepDive phase 1: Typical process issues in AR

Accounts Receivable

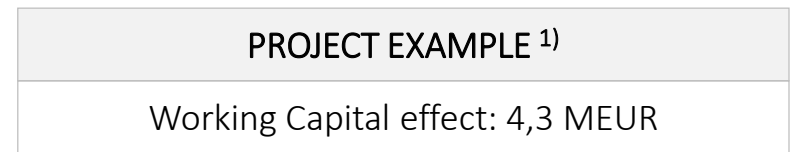
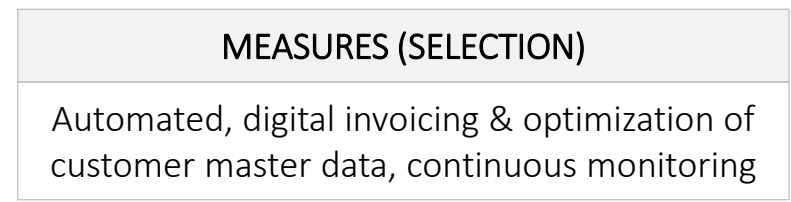
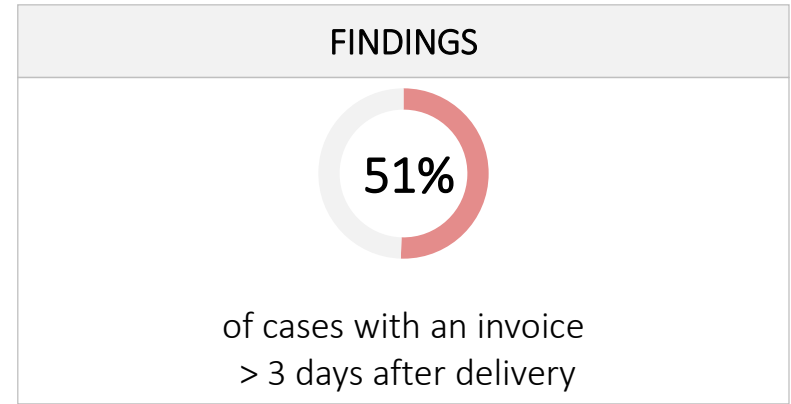
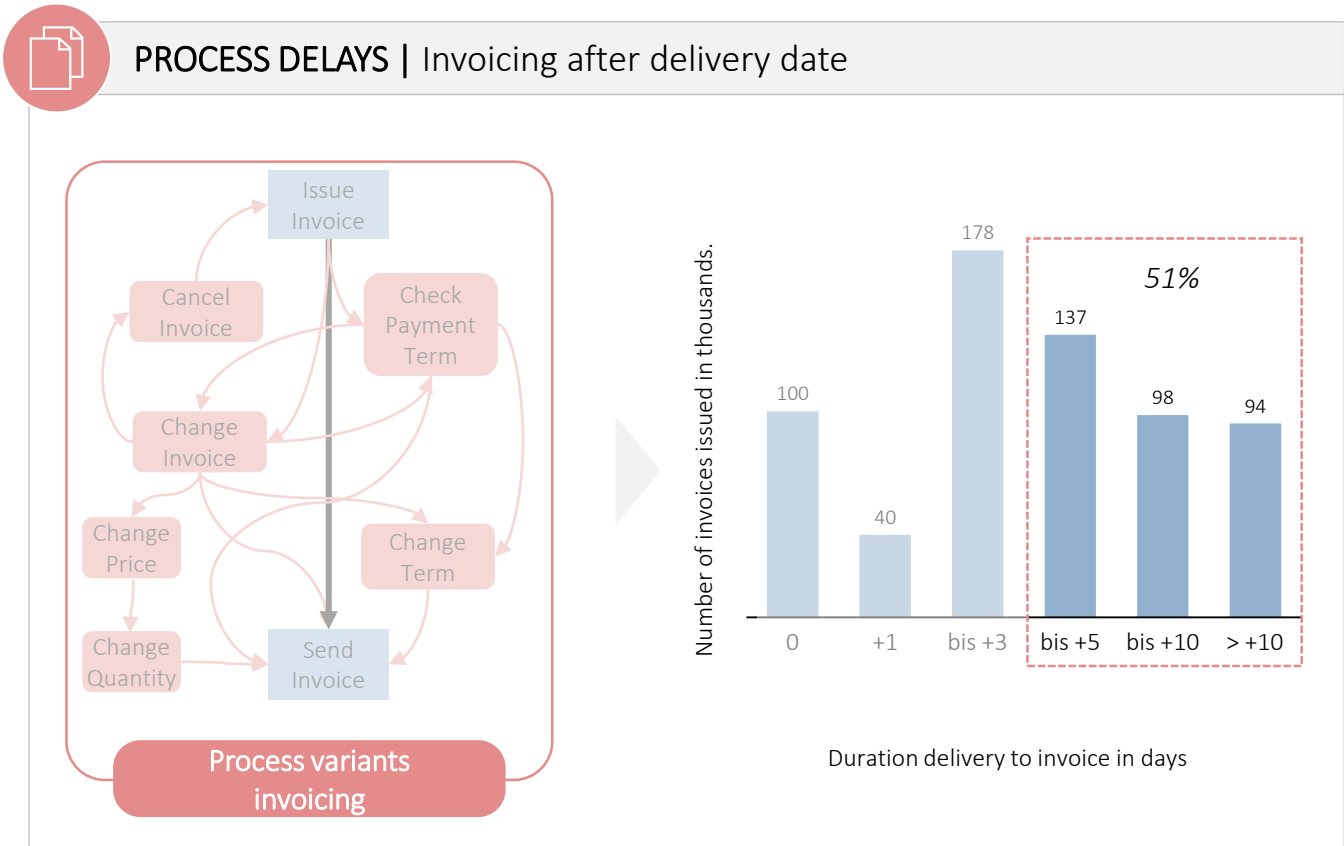


We have a proven set of levers from implemented projects to address the typical AR process issues

Automate & accelerate invoicing to reduce delays

DeepDive phase 1: Example analysis to optimize delayed invoicing

Accounts Receivable



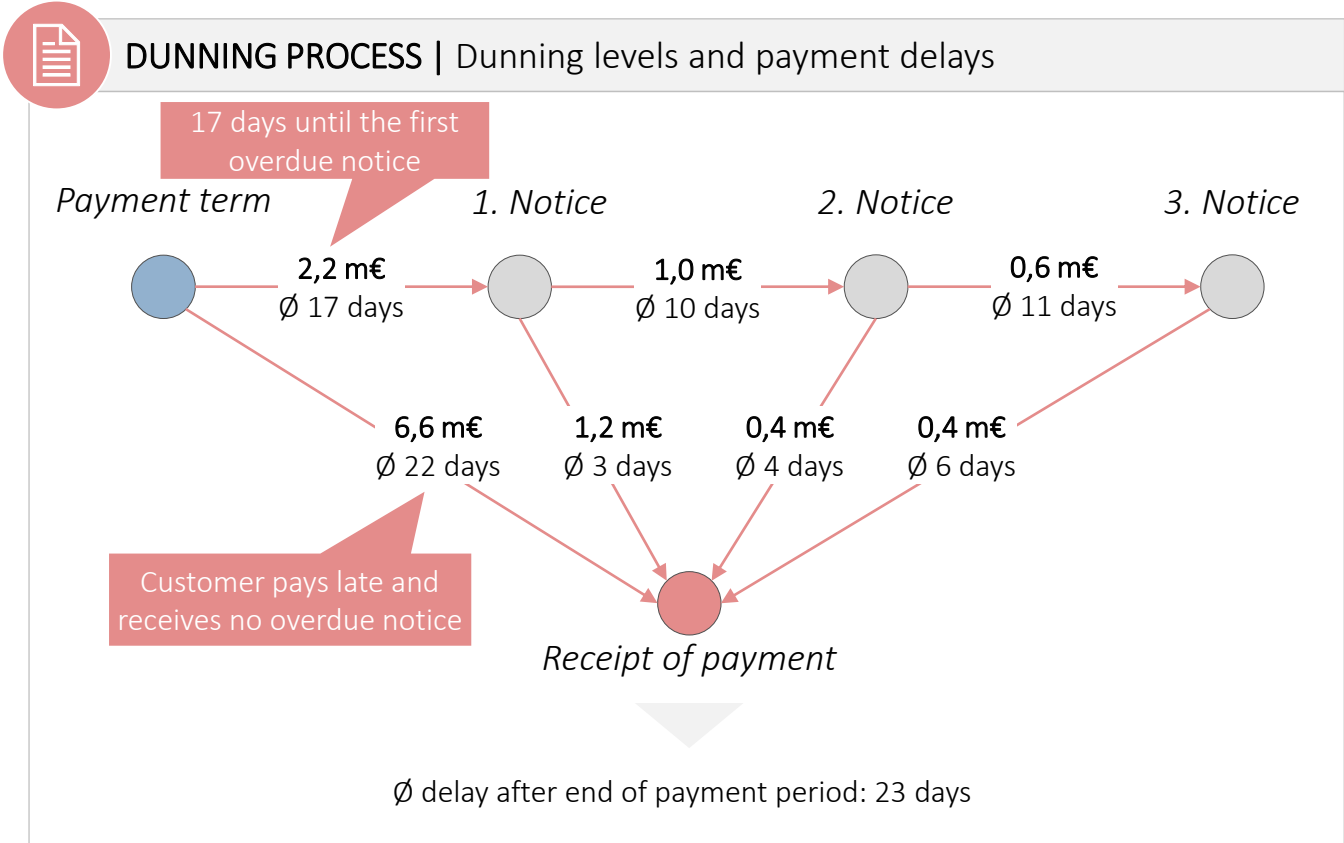
Sources of error and high manual effort can be identified by means of process analytics in order to accelerate the issuance of invoices.

1) Customer example for a manufacturing company with a turnover of approx. 500 Mio. EUR per year

Strict dunning and monitoring

DeepDive phase 1: Example analysis to optimize dunning

Accounts Receivable



MEASURES (SELECTION)

Monitor dunning; earlier credit freeze for late payers; re-negotiation of payment terms, ...

PROJECT EXAMPLE 1)

Working Capital effect: 2,3 MEUR

Identify and quantify patterns and regularities of defaulting payers based on data, in order to implement structured overdue management.

1) Customer example for a manufacturing company with a turnover of approx. 500 Mio. EUR per year

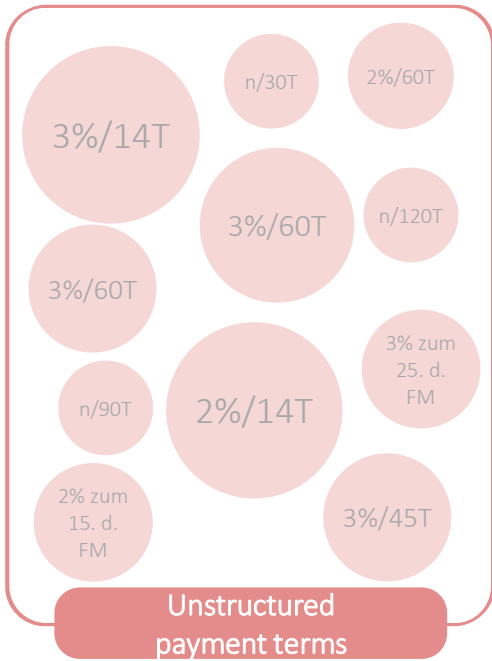
Optimize and standardize payment terms

DeepDive phase 1: Example analysis to optimize payment terms

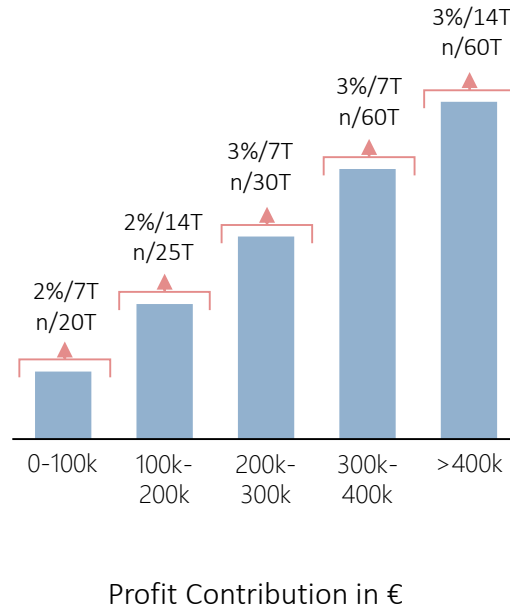
Accounts Receivable



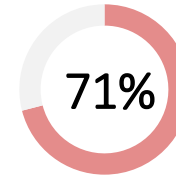
PAYMENT TERMS | Standardization of payment terms¹⁾



Payment terms linked to customer profit contribution



FINDINGS



of payment terms are too customer-friendly

MEASURES (SELECTION)

Implement standard payment term matrix, incentivize short payment terms for sales, ...

PROJECT EXAMPLE ²⁾

Working Capital effect: >15 MEUR

With Process Analytics, the existing complexity of payment terms can be made manageable, so payment terms can be optimized and uniform standards can be generated.

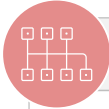
1) 2%/14T = 2% cash discount within 14 days

2) Customer example for a manufacturing company with a turnover of approx. 500 Mio. EUR per year

Monitor discounts drawn despite missed deadlines

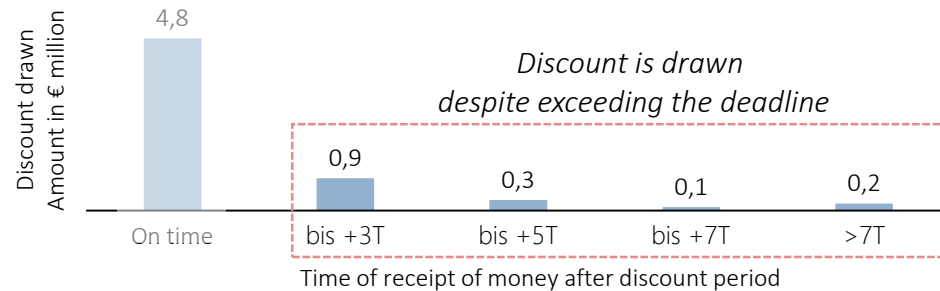
DeepDive phase 1: Example analysis of customers' payment behavior

Accounts Receivable

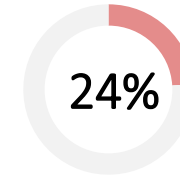


PAYMENT BEHAVIOR | Discounts drawn after missed deadlines

Customer	Skonto	Discount period in days	Discount used in €	Thereof after deadline in %
A	3%	14	832.998	10,6
B	4%	7	781.718	26.1
C	5%	7	683.104	31,5
D	4%	12	546.524	21,6
...



FINDINGS



of discount amounts are drawn despite exceeding the discount period

MEASURES (SELECTION)

Monitor customers' payment behavior, re-negotiate terms with problematic customers, ...

PROJECT EXAMPLE ¹⁾

Working Capital effect: 1,4 MEUR

Quantitatively present the effects of customers' payment behavior using process analytics in order to both minimize the amount of receivables and avoid unnecessary P&L effects

1) Considered here as a liquidity effect. P&L consideration is also possible.

H&C can provide a proven set of measures to sustainably optimize AR

DeepDive phase 2: AR measures from previously implemented projects



Overview of implemented measures for Accounts Receivable optimization

- ▶ Development of a **Standard Payment Term Matrix**
- ▶ Adjustment of the **incentives for sales** with a focus on **shortening payment deadlines**
- ▶ Optimization of the **dunning process**
- ▶ AI supported **negotiation of payment terms**
- ▶ Tracking of the **average payment term**
- ▶ Up-to-date transparency of **overdue receivables**
- ▶ Tracking of **overdues** in relation to sales
- ▶ Targeted approach to **customers on overdues**
- ▶ **Negotiation training** for sales team
- ▶ Expansion of **down payments** and **prepayments**
- ▶ Introduction of **delivery blocks** for **customers with overdues**
- ▶ Conversion of the **dunning procedure** at **invoice level**
- ▶ **Factoring** of **open invoices**
- ▶ ...

Measures are developed for each field of action and potentials are estimated

DeepDive phase 2: Measure overview for one legal entity

Customer examples

AR measures have been developed with the local team

Measure Overview – Indication in k€

No.	Measure	Process Variant	Addressed Volume	Potential
AR01	Decrease payment terms for after sales	Service	550 k€	120 k€
AR02	Reduce late payments	OTC, new vehicles	4.250 k€	730 k€
AR03	Improve dunning procedure		750 k€	100 k€
AR04	Ensure prompt invoicing after delivery		230k€	40 k€
AR05	Reclaim unjustified discounts after deadline		450 k€	85 k€
AR06	Ensure prompt salesmen visit & invoicing		300 k€	50 k€
AR07	Increase down-payments in payment terms		1.500 k€	350 k€
AR08	Increase direct debit as payment method	OTC, Rental	1.750 k€	365 k€
AR09	Address customers with poor payment history	All	-	-
AR10	Increase DSO awareness via dashboards			
Total			9.780 k€	1.840 k€

- Identified fields of action are the starting point for the development of improvement measures.
- A multitude of proven improvement measures are analytically examined and evaluated for each field of action.
- Experienced Horn & Company Process Analytics experts support the simulation of the impacts, provide valuable process improvement and system knowledge, and facilitate the process.

Confirmed measures are aggregated into site and overall program

DeepDive phase 2: Comprehensive program of measures

Customer examples

		Local Prices			
Levers		Addr. Volume in M EUR	Bottom-Up Pot. in M EUR	Responsible	Status
	Optimize invoicing after delivery	10.0	3.1	GPOs	buy-in
	Targeted approach for customers with poor payment history	21.8	9.8	Regional Manager	buy-in
	Increase down-payments in payment terms	8.3	4.5	Sales Manager	buy-in
	Optimize payment terms for sales	6.1	4.7	Sales manager	buy-in
	Early notification of upcoming due dates	-	<i>High, but no reliable estimate possible</i>	Debtor accounting	Further analysis
	Optimization of payment terms for service and after sales	44.7	18.3	Service Manager	buy-in
	Reduce unjustified discounts after deadline	8.5	1.3	Service Manager	buy-in
	Optimize dunning procedure	7.0	1.9	Debtor accounting	estimated
Total Potential		106.4	43.6 (-41%)		

- Aggregated identified and agreed-upon measures are consolidated with the respective stakeholders at the site level.
- This allows for an estimation of the overall potential and the potential ramp-up over time.
- Finally, the subsequent implementation program is outlined.



SKUs	Supply Chain Level	Operational Improvement Levers			Performance		
		Improve Process	Adjust Parameter	Improve Forecasting	Strengthen Accountability	Bottom-Up Potential	Addressed Inventory
134.081	Division A	14.5	0.0	0.0	Flanking Levers	14.5	27.9
27.986	Division B	15.0	4.1	2.3		21.4	54.7
41.752	Division C	0.8	4.5	2.4		7.7	23.8
184.466	TOTAL	30,3	8.6	4.7		43.6	106.4

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The Horn & Company approach for WOC optimization



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Typical project results & improvement measures for Accounts Receivables



3.

Horn & Company profile

Horn & Company: Experienced, pragmatic and high implementation competence

Company profile

- Positioning** Top-management-consultancy, founded 2008 – i.a. McKinsey, Roland Berger, Droege
- Focus** Strategy – **Performance improvement** – Corporate Restructuring – Digital transformation
- Industries** **Industrial goods** – Automotive/Special Vehicles – Consumer goods – Process Industries
- Clients** Corporate groups, Large SMEs, family businesses
- Consultants** > 250 highly-skilled consultants, including 45 partners/associate partners
- Differentiation** P&L focus – digital/analytics expertise – implementation

Growth Merger in 2023 with  -> Addition of extensive SSC and operations experience

Awards



Rang	Beratung	Punkte
1	Horn & Company	427
2	McKinsey & Company	403
3	Boston Consulting Group	394
4	Bain & Company	388
5	Oliver Wyman	383

Your contacts for data-driven Working Capital optimization at Horn & Company

Overview and contact information

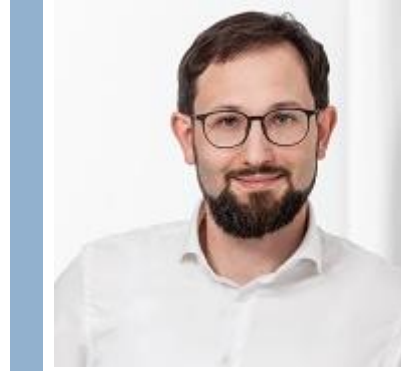


Dr. Philipp Herrmann

Partner

Schwerpunkte

- Process Mining
- Working Capital Optimization
- Process Automation & Digitalization
- Predictive Analytics
- Supply Chain Optimization



Dr. habil. Matthias Georg Will

Principal

- Process Automation & Digitalization
- Working Capital Optimization
- Process Mining
- Business Analytics & Dashboards
- Corporate Strategy & Governance



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HORN & COMPANY

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