

MS Dynamics NAV Intro 1

Ing.J.Skorkovský,CSc.

Department of Corporate Economy

Faculty of Economics and Administration

MASARYK UNIVERSITY

Czech Republic

What is MS Dynamics NAV

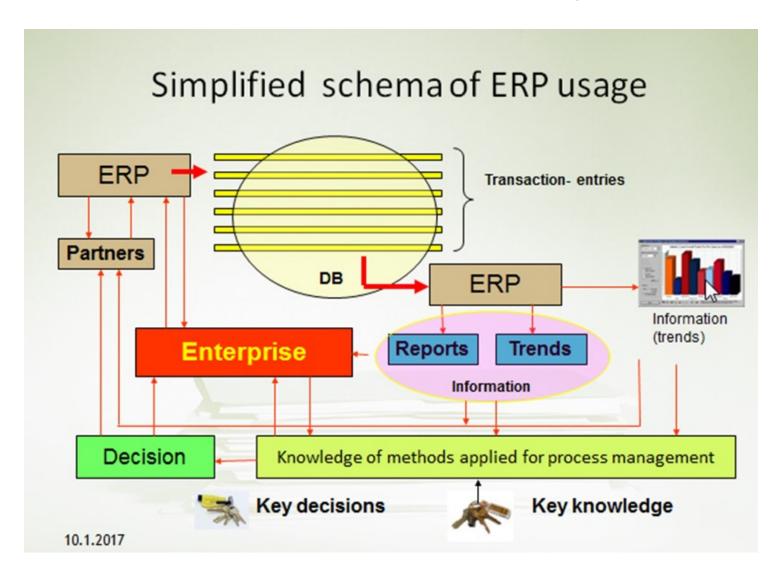
- If your business is growing and ready to take on more opportunities, Dynamics NAV can help. An easily adaptable enterprise resource planning (ERP) solution, it helps your business automate and connect your sales, purchasing, operations, accounting, and inventory management
- Microsoft Dynamics NAV enables every individual in your company to turn hunches (intuitions, feeling) into genuine insight, and insight into decisions. With access to real-time data and a wide range of analytical and reporting tools including graphical displays, online analytical processing (OLAP) cubes, and Webbased delivery options—people can make informed, confident decisions that help drive business success.

Navigation (NAV)

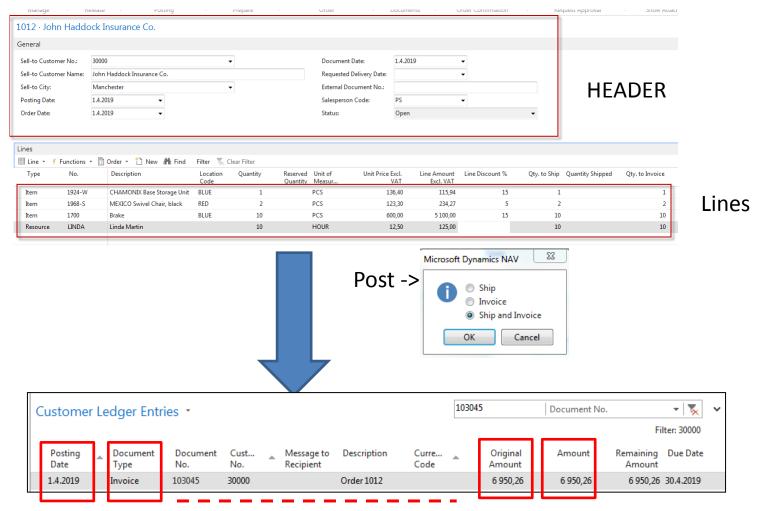
 To find the way in the see of big data and to get important information



Feedback to control all processes

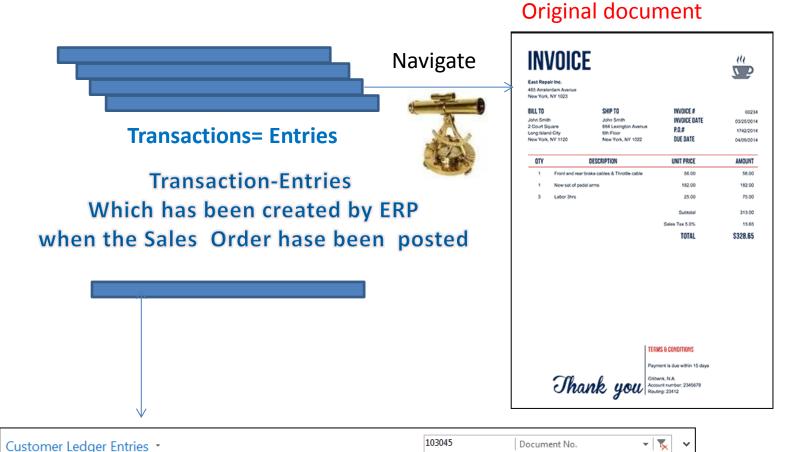


Sales Order



Fields

Transaction-Entry (Terminology)



Curre...

Original

Amount

6 950,26

Amount

6 950,26

Document Cust...

30000

103045

Message to

Description

Order 1012

Postina

Date

1.4.2019

Document

Invoice

Filter: 30000

Remaining Due Date

6 950,26 30.4.2019

Amount

INTRO 1

- Explain the concept of ERP and Microsoft Dynamics NAV 2016W1
- ERP = Enterprise Resource Planning System
- Resources = financial resources, machines, people, items,......
- Data = transactions having origin in :
 - Posted documents (invoices, credit notes, deliveries, stock movement..)
 - Hence the type of these transactions- entries
 - Customer
 - Vendor
 - Item (Inventory)
 - General Ledger (Accounts)

Linked to: Simple scenario of the first and second ERP Microsoft Dynamics NAV session I.

INTRO 2

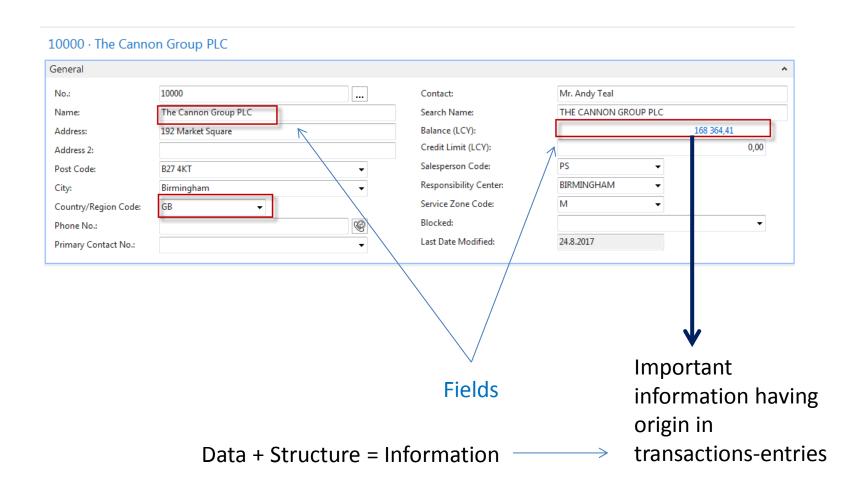
Customer number	Customer name	Balance	Payment condition	Currency
10000	SW Kings	20000	1M	USD
20000	China computers	432444	21D	USD
30000	Navertica	902	14D	CZK
40000	Berlin Experts	20002	1W	EUR

Data



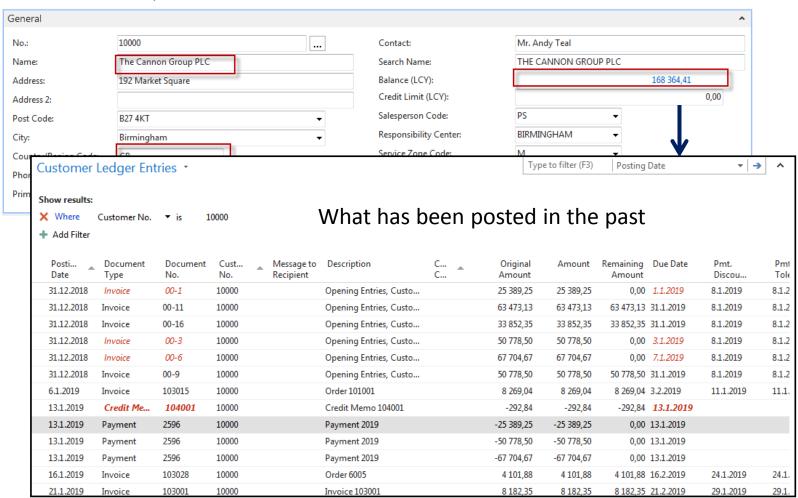
How to see data (Window)

INTRO 3 – Customer card –part of it



INTRO 4 – Customer entries

10000 · The Cannon Group PLC



INTRO 5 — Customer document- navigation

103028

16. January 2019

16. February 2019

16. January 2019

Ex Warehouse

1 Month/2% 8 days

The Cannon Group PLC

Birmingham, B27 4KT

Mr. Andy Teal 192 Market Square

Great Britain

Invoice No.

Order No.

Due Date

Posting Date

Document Date

Payment Tems

Shipment Method

Prices Induding VAT

Customer	Ledger Ent	ries •			
Show results: X Where Add Filter	Customer No.	▼ is 1	0000		
Posti Date	Document Type	Document No.	Cust No.	Message to Recipient	Des
31.12.2018	Invoice	00-1	10000		Ope
31.12.2018	Invoice	00-11	10000		Ope
31.12.2018	Invoice	00-16	10000		Ope
31.12.2018	Invoice	00-3	10000		Ope
31.12.2018	Invoice	00-6	10000		Ope
31.12.2018	Invoice	00-9	10000		Ope
6.1.2019	Invoice	103015	10000		Ord
13.1.2019	Credit Me	104001	10000		Cred
13.1.2019	Payment	2596	10000		Payr
13.1.2019	Payment	2596	10000		Payr
13.1.2019	Payment	2596	10000		Payr
16.1.2019	Invoice	103028	10000		C ₁ d
21.1.2019	Invoice	103001	10000		Invo

Sales - Invoice

Page 1 of 1

CRONUS, Birmingham RC. Aaron Nicholls Main Street 14

Birmingham, B27 4KT Great Britain

 Bill- to Customer No.
 10000
 Phone No.
 +44-161 818192

 VAT Registration No.
 789456278
 5.34-31

E-Mail Home Page

VAT Reg. No. GB777777777
Giro No. 888-9999
Bank World Wide Bank

Account No. 99-99-888
Salesperson Peter Saddow

Posted Shipment Unit of No. Description Date Quantity Measure Unit Price Discount % Identifier Amount INNSBRUCK Storage VAT25 1964-W 16.01.19 10 Piece 292,00 2 9 20,00 Unit/G.Door 70011 Glass Door 16.01.19 5 Piece 72.30 VAT25 361,50

> Total GBP Excl. VAT 3 281, 50 25% VAT 820,38

> > 4 101,88

Total GBP Incl. VAT

Invoice

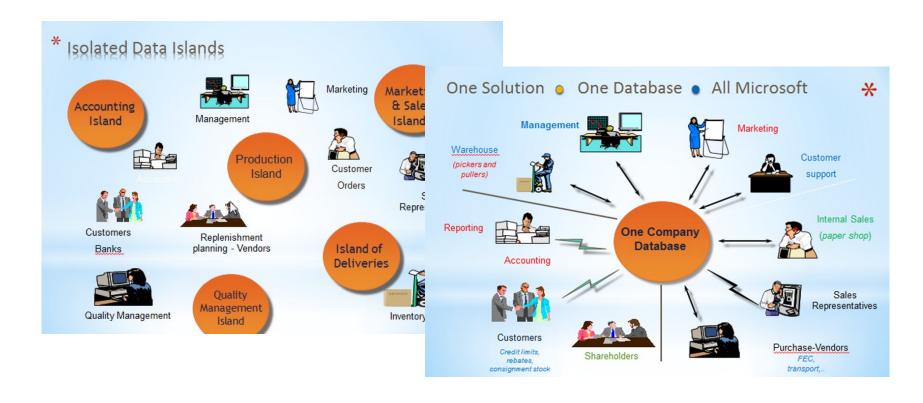
VAT Amount Specification

VAT Identifier	VAT%	Line Amount	Invoice Discount Base Amount	Discount Amount	VAT Base	VAT Amount
VAT25	25	3 281,50	3 281,50	0,00	3 281,50	8 20,38
Total	_	3 281,50	3 281,50	0,00	3 281,50	820,38

INTRO 6 – What is ERP 1

So our Microsoft Dynamics NAV is an ERP system. But why is it an ERP system? What are the main features of an ERP system and how do we recognize these in Microsoft Dynamics NAV?

Let's have a look at the overview slide. So one of the challenges that some companies might have to address is the one **of island systems**.



INTRO 7 – What is ERP 2

Island systems

Warehouse Data (examples)

- Physical location of items
- Actual stock count
- Number of items on hold

Production Data (examples)

- Number of items to be produced
- Number of items already produced
- Capacity

Sales & Customer Data (examples)

- Number of items available for sales
- Confirmed sales orders
- Customer information

INTRO 8 – What is ERP 3

So everyone working with the system, for example, the bookkeeper in financial management, the sales representative in sales and marketing, the warehouse worker in the warehouse management, the HR manager in human resources and so on, so they all work with the system in their specific application department but with a **common database**. And that's very, very important. **That's one of the main features of an ERP system**.

INTRO 9 – Basics of working space

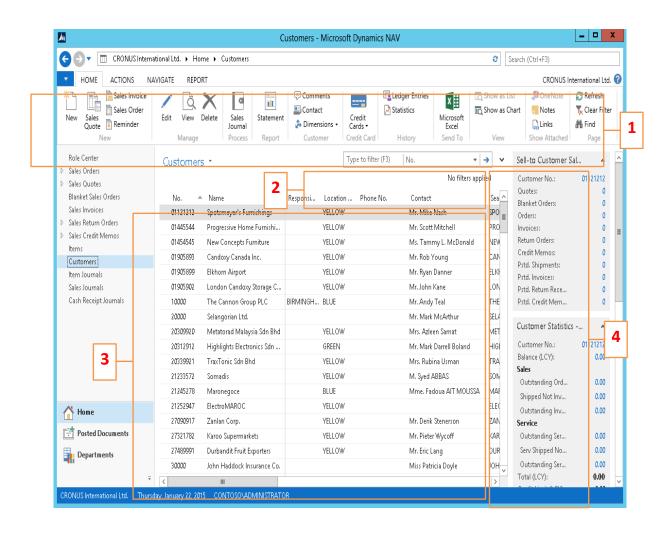
- Card
- List
- Role Center
- Card part
- List part
- Document

- Worksheet
- Confirmation dialog
- List plus
- Navigate page (wizard)
- Standard dialog

Will be shown by tutor and examined on demo student databases by them

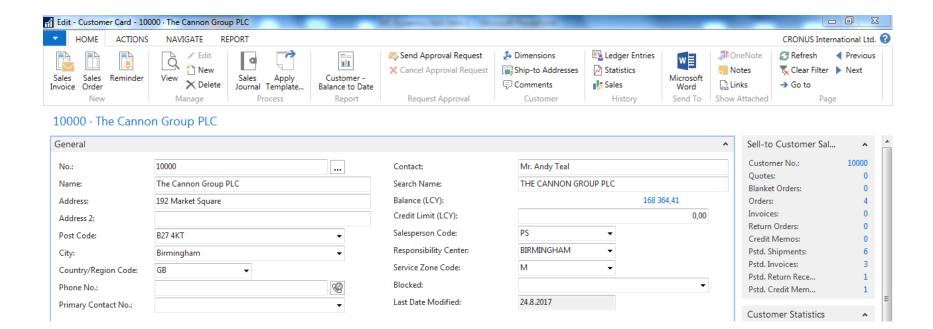
Pages

List Page Windows Client

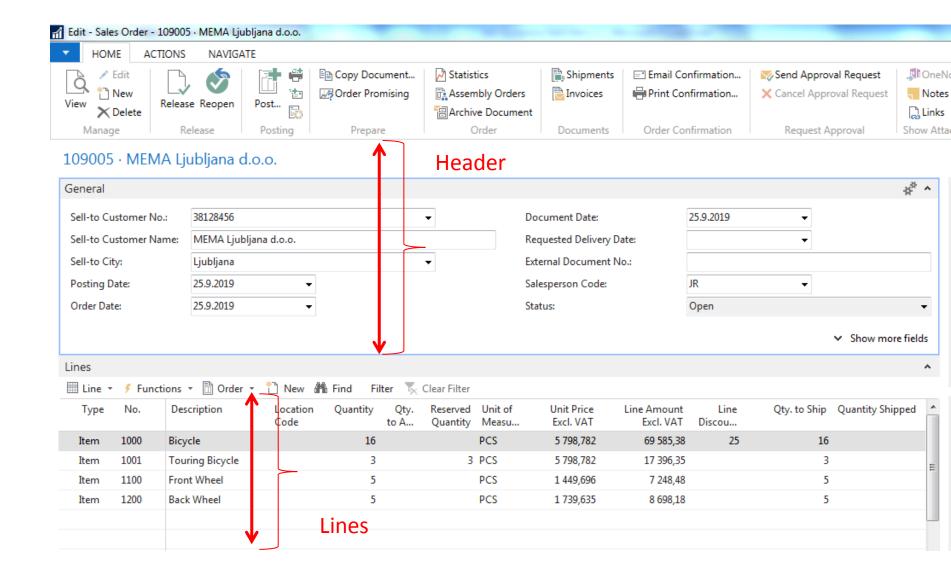


- 1. Ribbon
- 2. Filter pane
- 3. List
- 4. FactBox pane

Card page – first tab only



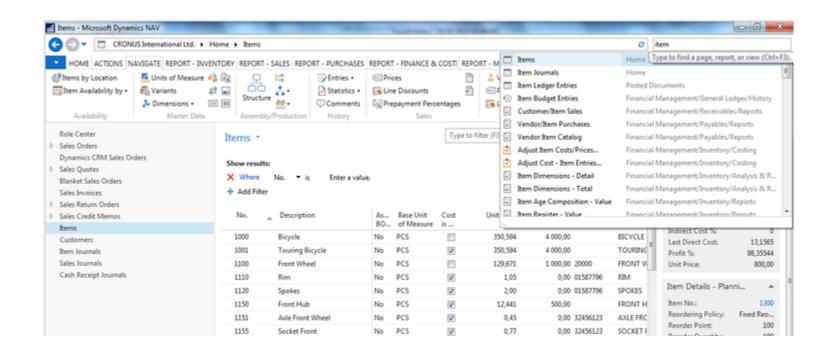
Document page



Matrix window (form)

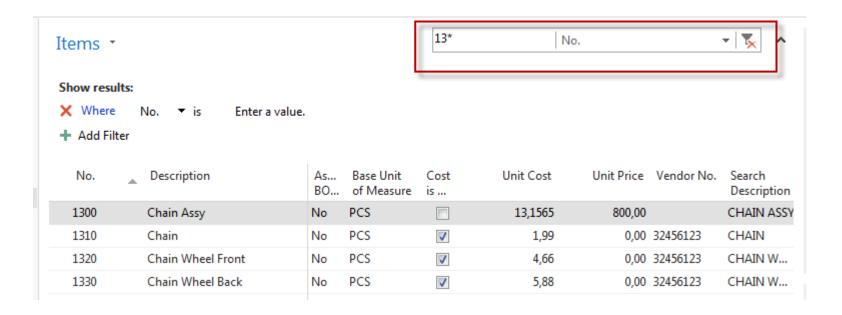
Items by	Location Matrix •		Stock locations			
No.	Description	BLUE	GREEN	RED		
1960-S	ROME Guest Chair, green	153		24		
1964-S	TOKYO Guest Chair, blue	59	60	29		
1964-W	INNSBRUCK Storage Unit/G	21	27	-2		
1968-S	MEXICO Swivel Chair, black	236	14	15		
1968-W	GRENOBLE Whiteboard, red		4	4		
1972-S	MUNICH Swivel Chair, yellow	37	-1	-4		
1972-W	SAPPORO Whiteboard, black	4	2	5		
1976-W	INNSBRUCK Storage Unit/W	3	-2	-106,4752		
1980-S	MOSCOW Swivel Chair, red	65	14	21		
1984-W	SARAJEVO Whiteboard, blue	3	3	4		

INTRO 10 – Searching window

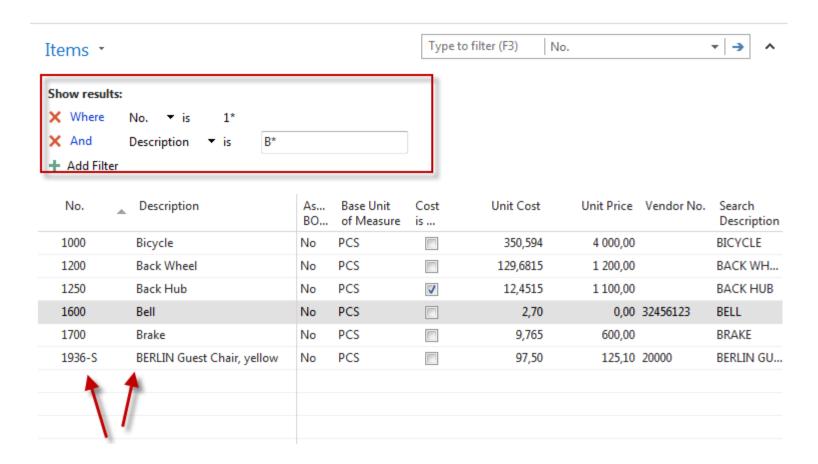


Will be shown by tutor and examined on demo student databases by them (Find Vendor, Item, Customer, General Ledger Account, Profile and so on)

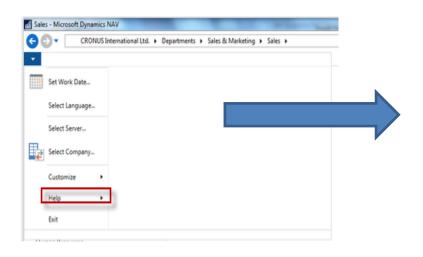
Simple filter



Multiple filter



Example of using help _filter criteria)



Getting Started with Microsoft Dynamics NAV 2016 Application Changes for Microsoft Dynamics NAV 2016 Platform Changes for Microsoft Dynamics NAV 2016 Learn About the RoleTailored Design Roles Accessibility for People with Disabilities **Business Process Walkthroughs** CRONUS International Ltd. Demonstration Database Finding Information in Help Copyrights and Trademarks Application Design Details ■ Working with Microsoft Dynamics NAV 2016 Change Basic Settings Enter Criteria in Filters

Example of using help _filter criteria)

Sample Expression	Records Displayed
11002100	Numbers 1100 through 2100
2500	Up to and including 2500
12 31 00	Dates up to and including 12 31 00
P8	Information for accounting period 8 and thereafter
23	From the beginning date until 23-current month-current year 23:59:59
23	From 23-current month-current year 0:00:00 until the end of time
2223	From 22-current month-current year 0:00:00 until 23-current month-current year 23:59:59

(|) Either/or

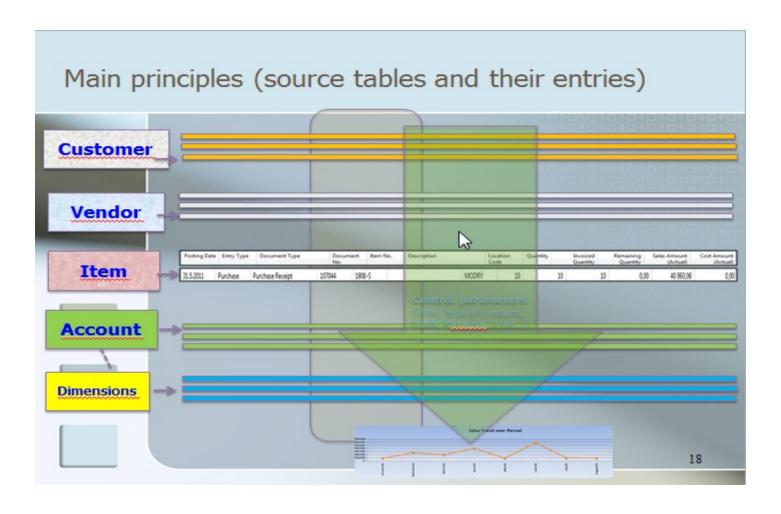
Sample Expression	Records Displayed
1200 1300	Numbers with 1200 or 1300

(<>) Not equal to

Sample Expression	Records Displayed	
<>0	All numbers except 0	
	The SQL Server Option allows you to combine this symbol with a wild card expression. For example, <>A* meaning not equal to any text that starts with A.	

Only part of it!
Will be presented
by tutor and
experienced by
students

Entries and their use



Report – example (data resource - Customer Ledger Entries)

Customer - Balance to Date

$ \langle \hspace{-0.2em} \hspace{-0.2em} \hspace{-0.2em} \hspace{-0.2em} \hspace{-0.2em} \hspace{-0.2em} \hspace{-0.2em} \hspace{-0.2em} \hspace{-0.2em} \hspace{-0.2em} $	of 1 🕨	M 🔞 🖟	■ 💷 🖳 - 100% -	Find Next	
	er - Balan	19. Sept	19. September 2017 Page 1 ESF\MIKI		
All amounts a Balance on 3: Customer: No	1.12.18				
Posting Date	Document Type	Document No.	Description	Amount	Entry No.
10000	The Cannon G	roup PLC			
31.12.18 13.01.19	Invoice Payment	00-1 2596	Opening Entries, Customers Application	25 389,25 -25 389,25	2444
15.01.15	rayment	2390	Аррисации	0,00	
31.12.18	Invoice	00-11	Opening Entries, Customers	63 473,13	2448
31.12.18 31.12.18	Invoice Invoice	00-16 00-3	Opening Entries, Customers Opening Entries, Customers	33 852,35 50 778,50	2458 2464
13.01.19	Payment	2596	Application	-50 778,50	2404
				0.00	
31.12.18	Invoice	00-6	Opening Entries, Customers	67 704,67	2470
13.01.19	Payment	2596	Application	-67 704,67	
				0.00	
31.12.18	Invoice	00-9	Opening Entries, Customers	50 778,50	2476
	The Cannon G	roup PLC		291 976,40	
				291 976.40	

TEXT document related to this PWP show

Introduction scenario ERP MS Dynamics NAV_only parts_of_It_20180919 5.9.2018 12:24 Dokument aplikac... 7 312 kB

Only to page 9!!!

Study material for this (19.9.) and probably next session (3.10.)

	P	Introduction MS Dynamics_Transfer_Orders Introduction_MS_Dynamics_T	Skorkovský, J.	9. 10. 2017
0	P	Introduction_MS_DynamicsFiltering_Searching_Basic_Orientation_In_W	Skorkovský, J.	Today
0	W	Introduction_scenario_ERP_MS_Dynamics_NAV_only_parts_of_lt_201809	Skorkovský, J.	Today
0	[P]	Ishikawa fishbone diagram and Pareto analysis tools Ishikawa_fishbone_d	Skorkovský, J.	24. 10. 2017
	[P]	Kepner-Tregoe Methodology version 5 Kepner-Tregoe_Methodology_versi	Skorkovský, J.	15. 11. 2017
	$[\mathbf{W}]$	Last assignment of theory blocks for AOMA-AOPR courses Last_assignme	Skorkovský, J.	25. 10. 2017
	[X]	Linear Progamming Excel solver file LP_EXCEL_SOLVER_USE_20171101.xlsx	Skorkovský, J.	7. 1 1 . 2017
	[P]	Linear programming- introduction and examples of SOLVER use Linear	Skorkovský, J.	6. 1 1 . 2017
	[P]]	Little's law basics_last version_ENG Little_s_law_basics_last_version_ENG_2	Skorkovský, J.	13. 11. 2017
0	Р	MS_Dynamics_NAV_Intro_1_20180919.pptx	Skorkovský, J.	Today
	Р	OM_prerequisites_starting_lesson_20180905.pptx	Skorkovský, J.	17. 9. 2018
\bigcirc	[P]]	Operation_Management_Introduction_20180917.pptx	Skorkovský, J.	17. 9. 2018
	$[\mathbf{W}]$	Seminar work example_1 Lilia_Tugulea_Seminar_Paper_LTU_20151121.docx	Skorkovský, J.	7. 1 1 . 2017
	[P]]	Seminar work PWP presentation file_example_1 Tugulea_Lilia_Presentatio	Skorkovský, J.	7. 1 1. 2017
	$[\mathbf{W}]$	Simple scenario Complex example ERP MS NAV_2016 RTC ENG Simple_sc	Skorkovský, J.	6. 12. 2017
	$[\mathbf{W}]$	Simple scenario how to construct Account schedule-complement to PWP	Skorkovský, J.	19. 11. 2017
	W	Simple_scenario_of_the_first_and_second_ERP_Microsoft_Dynamics_NAV	Skorkovský, J.	Today