

Automated Distribution Lines – Real-Time Integration of PANTHEON in Warehouse Operations

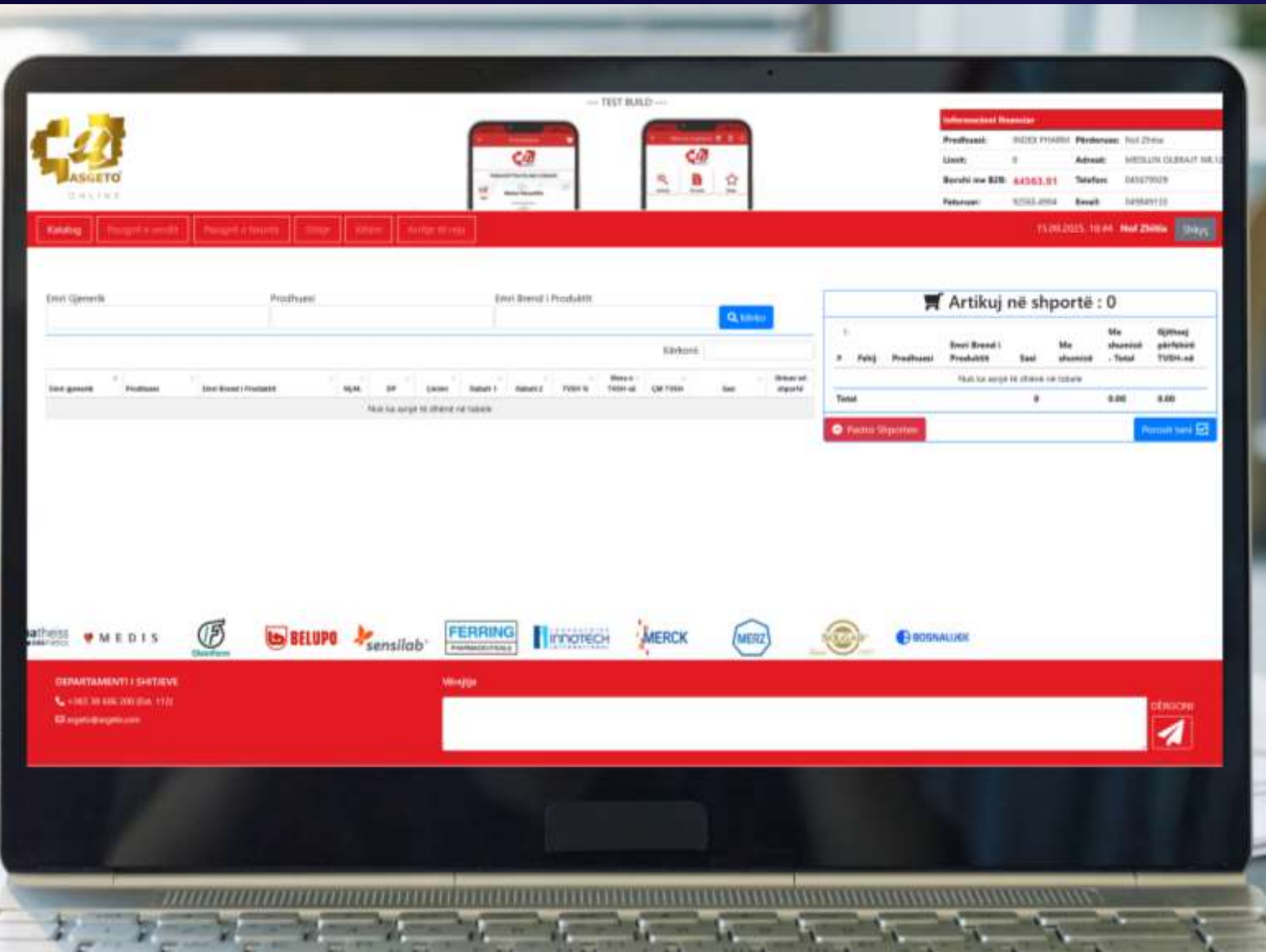
Sasho Jovanovski



1. Client introduction : ASGETO
2. ASGETO's challenges & Solutions
3. Solution elements & providers
4. Conclusions

- Private company for the **distribution of medicines, OTC products, cosmetics, and medical material**
 - established in 1990, from Pristina, Kosovo
- **PANTHEON ERP in use from 2012** for all business processes
- provides around **500+ customers per day**
- 3200 m2 of warehouse space for wholesale business





🧠 Challenge

Over 500 orders per day

✓ Solution

Introduction of integrated B2B solution

Challenge

- Most orders require **multiple distribution boxes**
- **Different box types: L, M, S**
- **Boxes should be used at optimal capacity**

Solution

- **Automated volume calculation via PANTHEON**
- **Calculates & distributes product volume across multiple boxes**
- **Based on ordered volume and optimal distribution**

2.2.1 Solution – Volume calculation

The screenshot displays a software interface for invoice management. At the top, there are fields for 'Porositësi' (BLENDE FARM), 'Transportuesi' (BLENDE FARM), 'Nr.' (25-1E02-000300), 'Data' (15.09.2025), 'Validitet i por.' (7 - 22.09.2025), and 'Status' (F-E përfunduar). Below these are sections for 'Departamenti', 'Shitja', 'Valuta', 'Fletëporosia', 'Ditë për pagim', and 'Ditët për Dorz.'. A callout box on the right side of the screen, titled 'BOX calculation!', contains two buttons: 'BOX' and 'FILL S.N.'. The main part of the interface is a table with columns: 'Poz.', 'Sh.', 'Artikulli', 'Emri', 'NJM', 'Sasia', 'Çmimi', 'R1 %', 'R2 %', 'SR %', 'Zbritje %', 'Vlera', 'TVSH', 'Për pagim', 'Fletëdërgo...', and 'Paketat'. The table lists 15 items with their respective details.

Poz.	Sh.	Artikulli	Emri	NJM	Sasia	Çmimi	R1 %	R2 %	SR %	Zbritje %	Vlera	TVSH	Për pagim	Fletëdërgo...	Paketat
1	18007345	OPERIL P 0.025% SPRAY 10ML	KUT	3.00	3.37	0.00	0.00	0.00	0.00	0.00	10.11	TO	10.92	0.00	
2	00100305	CONCOR COR 2.5mg fct x 30	COP	5.00	2.29	0.00	0.00	0.00	0.00	0.00	11.45	TO	12.37	0.00	0.00
3	00100300	GLUCOPHAGE XR 1000mg e 30 tbl	COP	2.00	3.54	0.00	0.00	0.00	0.00	0.00	7.08	TO	7.65	0.00	0.00
4	9919138	SECLUVIA 50mg x 30tbl	COP	5.00	10.25	0.00	0.00	5.00	5.00	48.69	TO	52.58	0.00	0.00	
5	2500216	TAMLOS cps 30x0.4 mg	SC	2.00	4.07	0.00	0.00	7.00	7.00	7.57	TO	8.18	0.00	0.00	
6	2500312	GASTROGUARD TBL PERTYPESE 24X680MI	SC	10.00	2.30	0.00	0.00	10.00	10.00	20.70	TO	22.36	0.00	0.00	
7	2500150	FUROSEMID tableta 10x40 mg (ALKALOIE	COP	10.00	0.46	0.00	0.00	10.00	10.00	4.34	TO	4.47	0.00	0.00	
8	18006744	FELKARID TBL 50 mg x 30	SC	1.00	4.71	0.00	0.00	0.00	0.00	4.71	TO	5.09	0.00	0.00	
9	2500079	LEXOLIUM % tableta 1.5 mg x 30	KUT	10.00	0.66	0.00	0.00	10.00	10.00	5.94	TO	6.42	0.00	0.00	
10	18008213	TANFLEX COLDWAY 200MG+30 MG X 24 TI	KUT	3.00	1.77	0.00	0.00	40.00	40.00	3.19	TO	3.44	0.00	0.00	
12	1800019	NIMESULID tableta 20x100mg	KUT	2.00	1.46	0.00	0.00	0.00	0.00	2.92	TO	3.15	0.00	0.00	
13	1500047	DEXAMETHASON NEOMYCIN SOL 1%+3.5%	SC	2.00	1.65	0.00	0.00	0.00	0.00	3.30	TO	3.56	0.00	0.00	
14	9988023	MENTESAN CPS A 30	COP	1.00	5.76	5.00	0.00	0.00	5.00	5.47	T1	6.46	0.00	0.00	
15	18008213	TANFLEX COLDWAY 200MG+30 MG X 24 TI	KUT	2.00	1.77	0.00	0.00	40.00	40.00	2.12	TO	2.29	0.00	0.00	

Challenge

- ASGETO product portfolio **divided into 6 product groups**
- **Each group** located on a **separate fulfillment island**
- Distribution **boxes stop** only at **islands needed for their contents**

Solution

- **Service app** integrated with **PANTHEON**
 - Checks each **distribution box** in **milliseconds**
 - Decides whether the **box should be diverted to an island**

2.3.1 Solution architecture : Link distribution box and distribution order

☰ BARCODE SCAN

LinkKey	KeyDoc	BoxSize
▶ 25-010-046650	25-00D0-101409	S

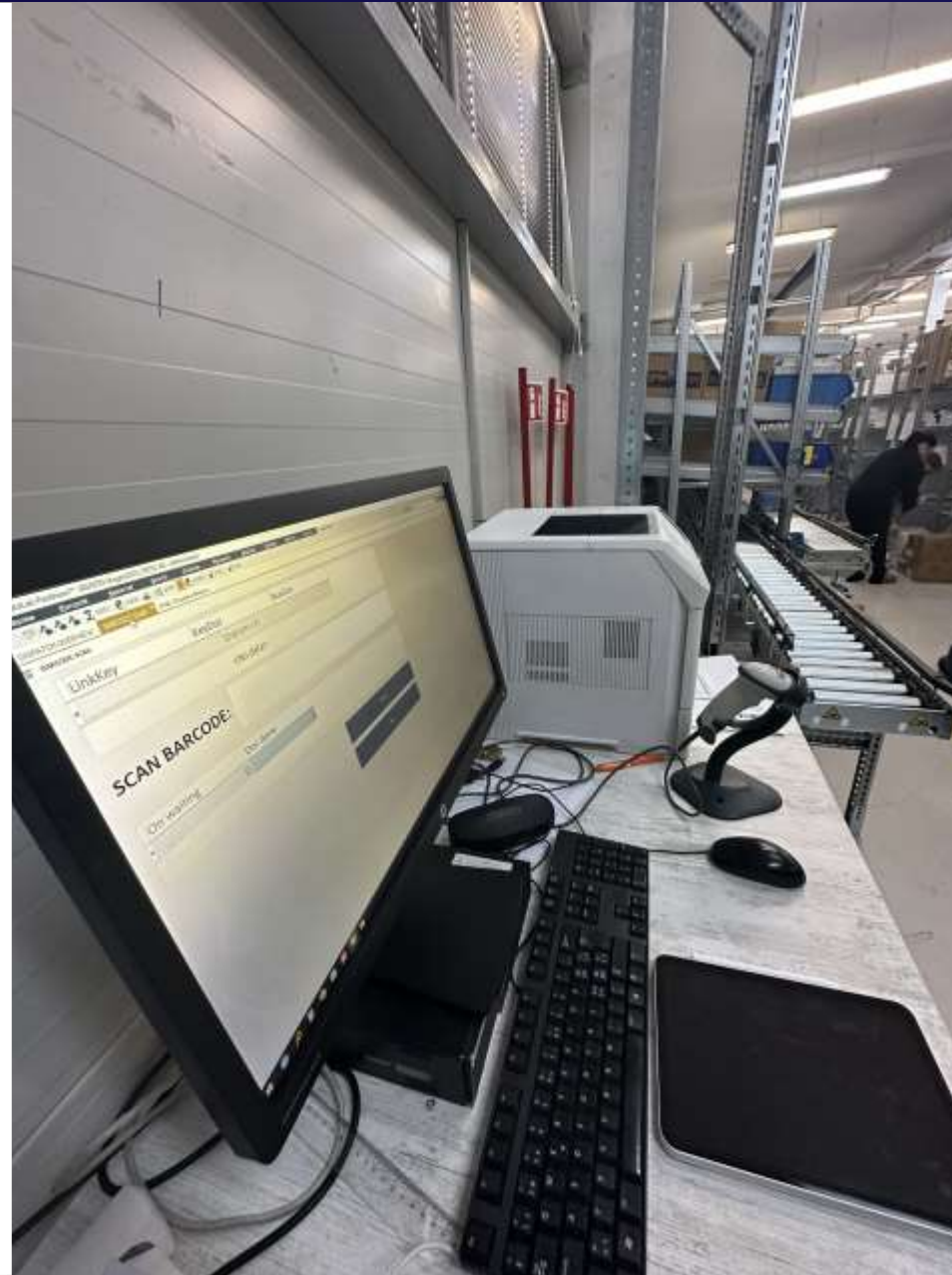
SCAN BARCODE:

On waiting	Doc done
▶ 10	530

Refresh

Close

3. Solution architecture : Link distribution box and distribution order



3. Solution architecture : Pantheon MOVE BOXES



Challenge

- Fulfillment staff on distribution line islands
- Confirm each product placed in box
- Scan product barcode + select batch number

Solution

Mobile app integrated with PANTHEON, runs on handheld PDA devices

Provides **list of required products per customer order**

Specifies **distribution box and distribution island**

2.4.1 Solution architecture : Mobile application used on island



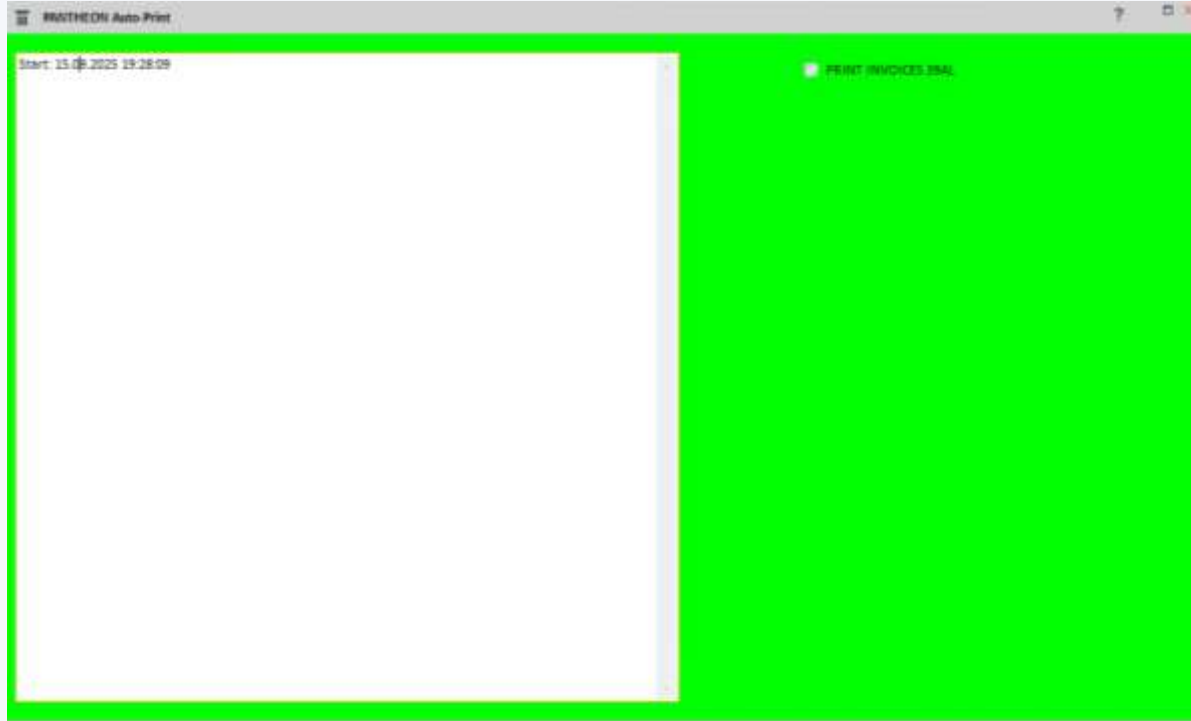


🧠 Challenge

- Kosovo divided into 3 logistic routes
- **Each line has its own exit ramp**
- Distribution boxes exit on the **correct ramp**

✓ Solution

- Service app integrated with PANTHEON
- **Checks each box** in milliseconds
- Decides if the box should be diverted to the **exit ramp**



🧠 Challenge

- Orders – not include all products
- Invoice – only found products with actual quantity
- Creating invoice before fulfillment or re-checking box contents is invalid

✓ Solution

- PANTHEON monitors created material documents;
 - boxes reach exit ramp →
 - invoice created for selected quantities
 - Invoice print

2.7 ASGETO's challenges #7 – Real Time information



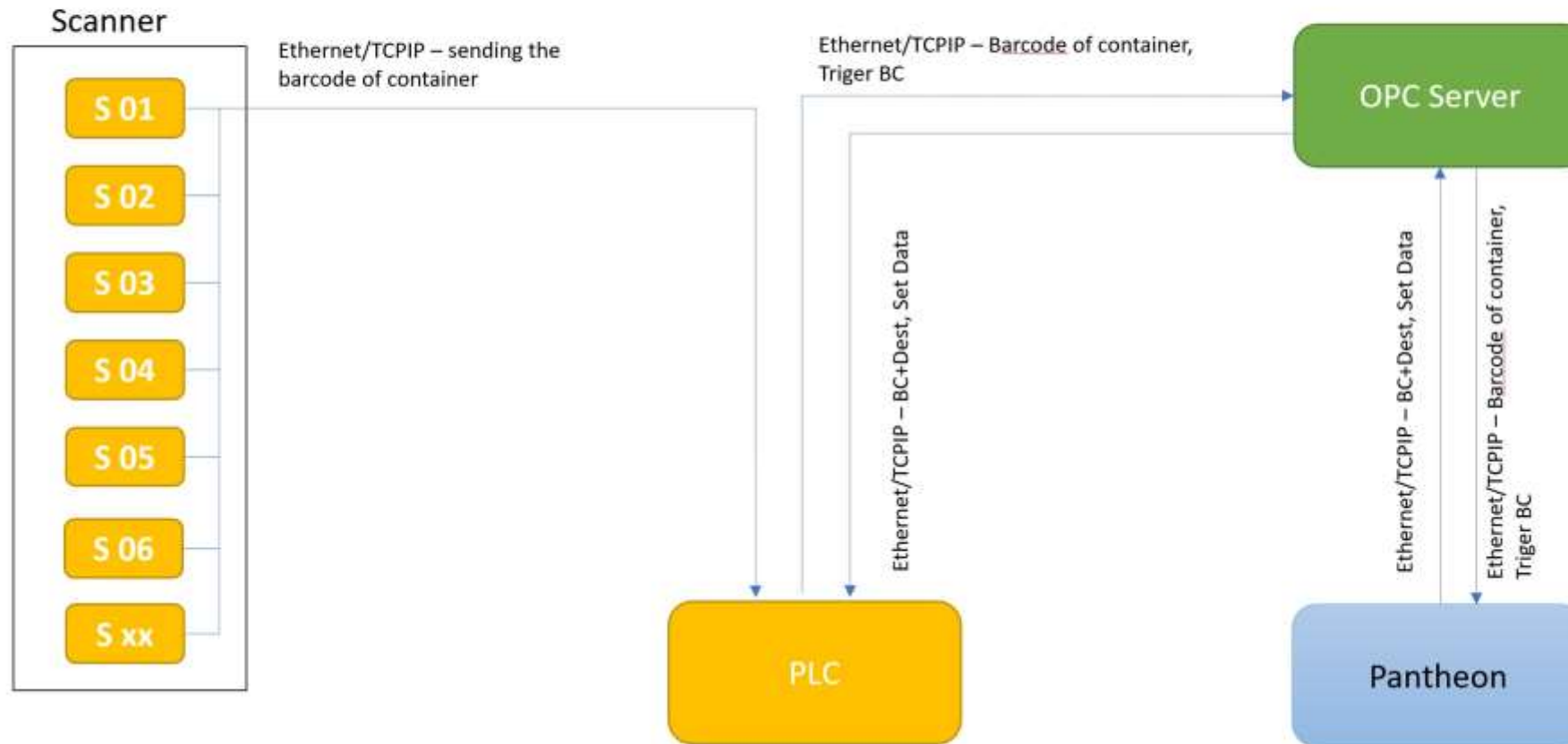
Challenge

- Warehouse managers **requires real-time information.**
- **Key data needed:**
 - orders waiting at the distribution center
 - open distribution boxes
 - other operational metrics
- **Reports do not provide a clear overview.**

✓ Solution

- Custom **dashboards**
- Provide all necessary information.
- Support **quality warehouse management.**

Scheme of data flow





Datalab MK

1. Solution architecture
2. PANTHEON modules
3. Project Management



InfoCode MK

1. Mobile Application
2. PDA provider



ASPEKT MK

1. Service application



KNAPP

1. Conveyor system for containers

- 1** PANTHEON integrated with KNAPP:
 - **conveyor system for containers in pharmaceutical business :**
 - **common SAP customers**
- 2** Complex solution for complex operation
 - Datalab has technology for complex solutions
- 3** Partnering may produce added value
- 4** Integration – main pillar for complex projects
- 5** **Should we sell this solution?!**
Finder fee for this type of project:
2.000 EUR + box of Macedonian wine

Thank you for your attention.

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