

Improving cargo status monitoring, empty wagon handling and rolling stock tracking for Proodos, OSE and THPA in Greece



Case Partners

Case Partner

TREDIT S.A

Logistics Consultant

ANCO

Software provider, system integrator

PROODOS S.A

Logistics Provider

ThPA

Port Authority

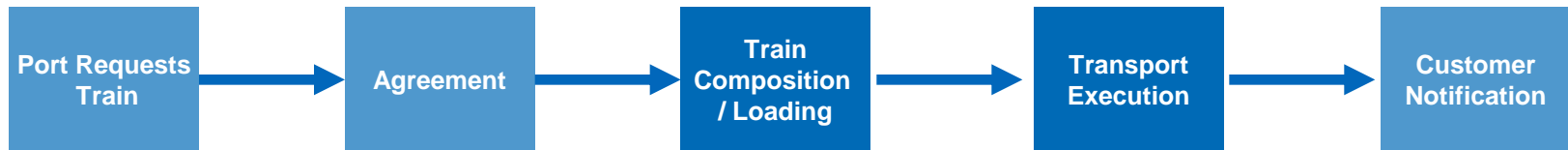
OSE

National Railway Operator

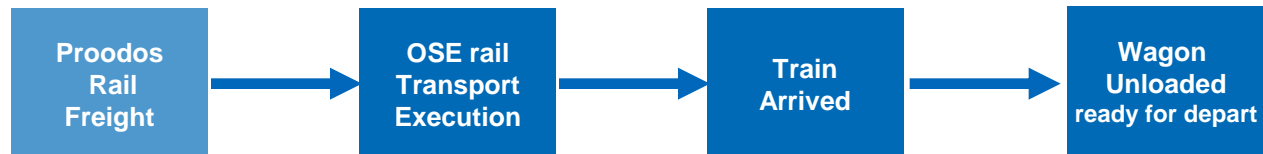
- Develop and promote solutions that improve the ability to absorb increased freight transport demand
 - Through the harmonization of information exchange and processes, and
 - The integration of advanced and appropriate technologies (GIS, XML, web-services)
- While maintaining interoperability with existing IT solutions
- Management of the empty wagons (OSE – Rail operator)
- Forwarding by rail of transit containers reaching the port of Thessaloniki.

Case Scenarios

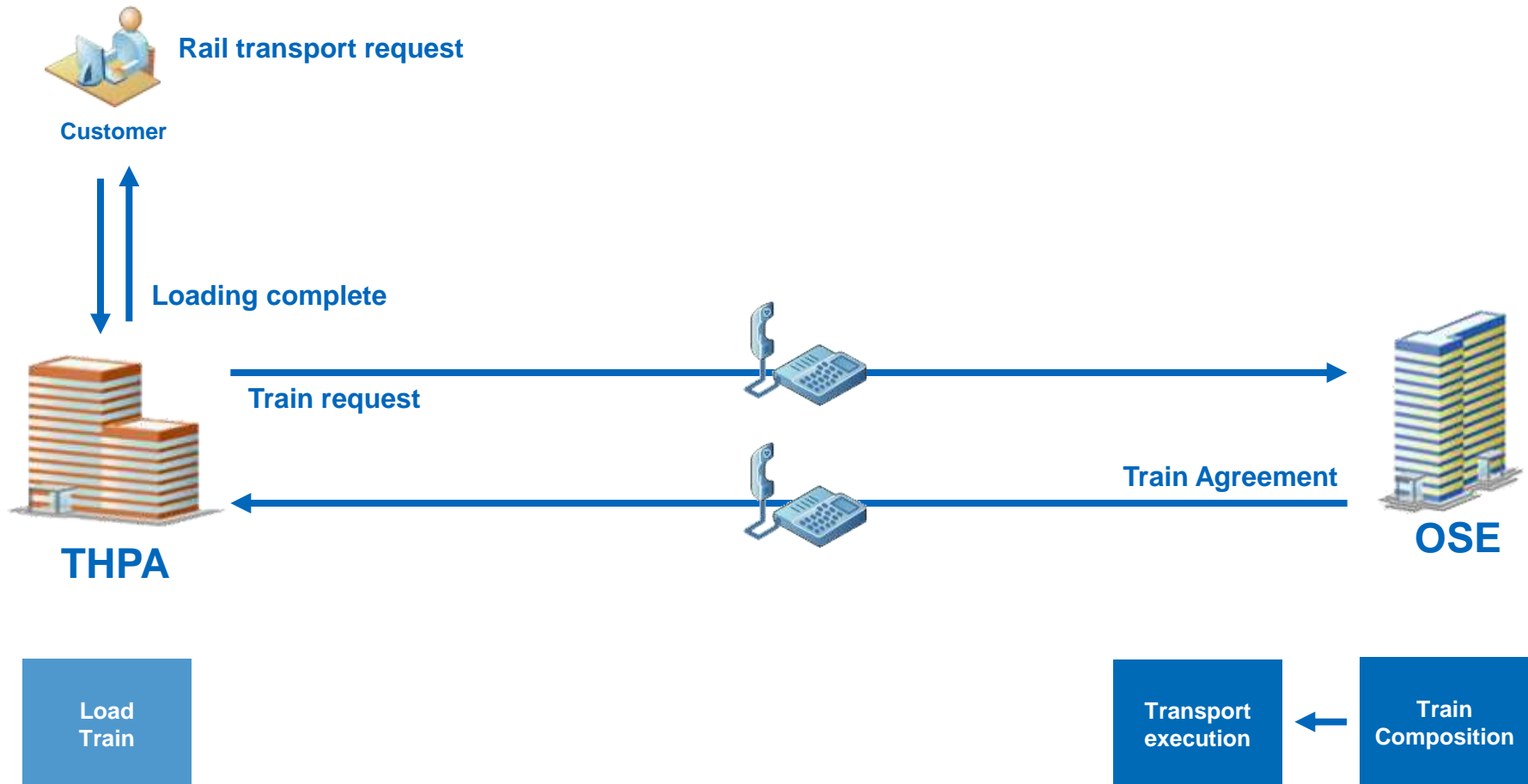
Rail Transport from ThPA port to OSE rail network



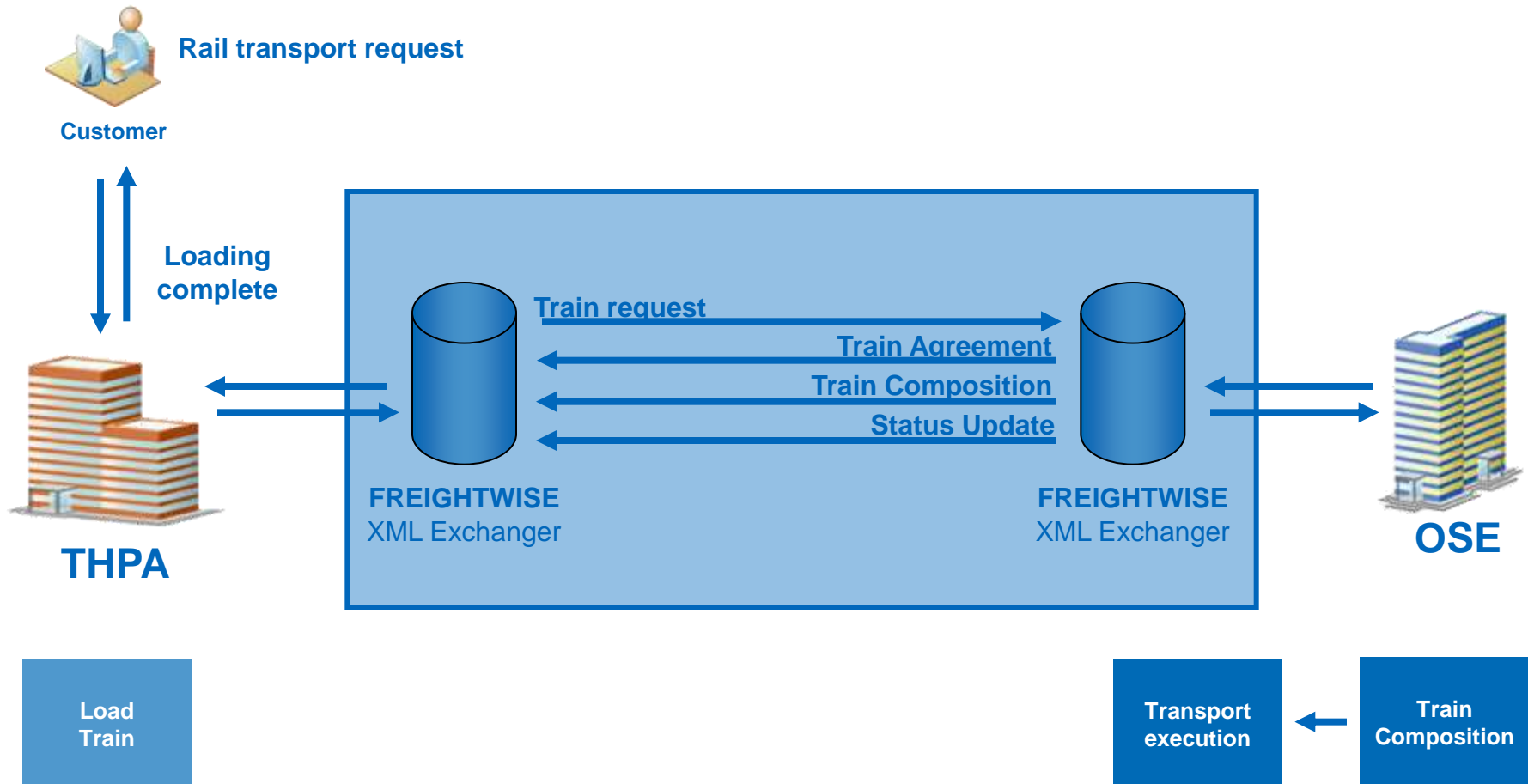
Rail Transport Proodos rail freight via OSE rail network



Rail Transport from ThPA port to OSE rail network



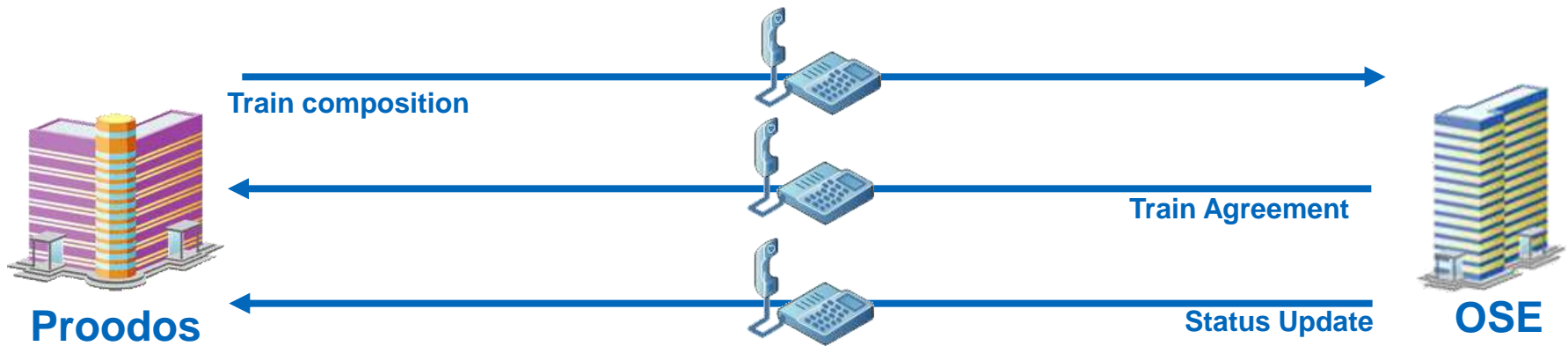
Rail Transport from ThPA port to OSE rail network FREIGHTWISE Solution



Rail Transport

Proodos rail freight via OSE rail network

Previous Situation



Wagon
Unloaded
ready for depart

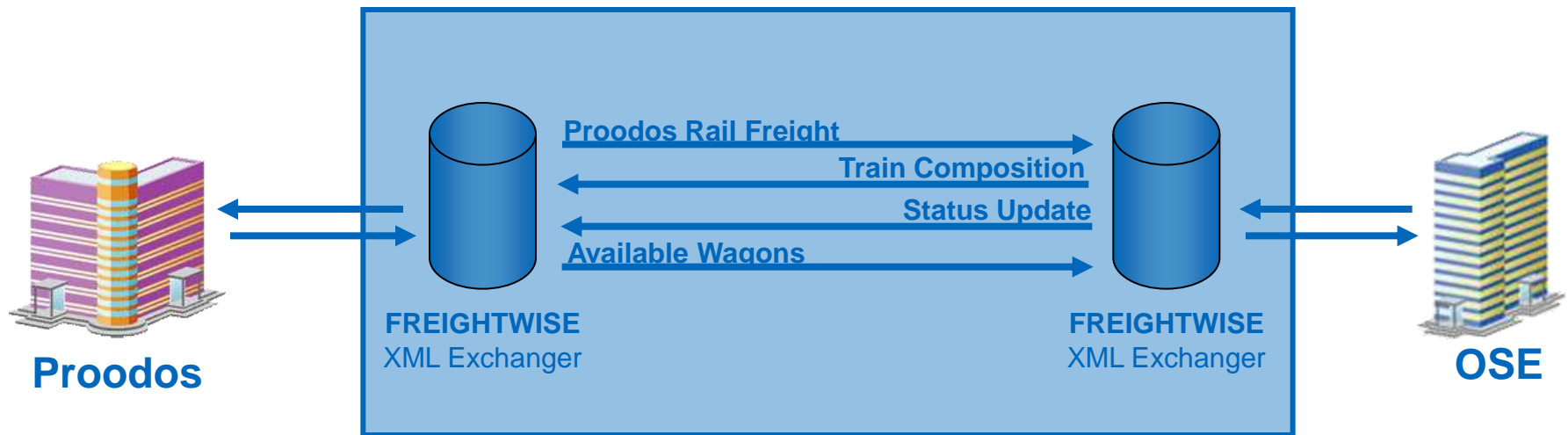
Transport
execution

Train
Composition

Rail Transport

Proodos rail freight via OSE rail network

FREIGHTWISE Solution



Wagon
Unloaded
ready for depart

Transport
execution

Train
Composition

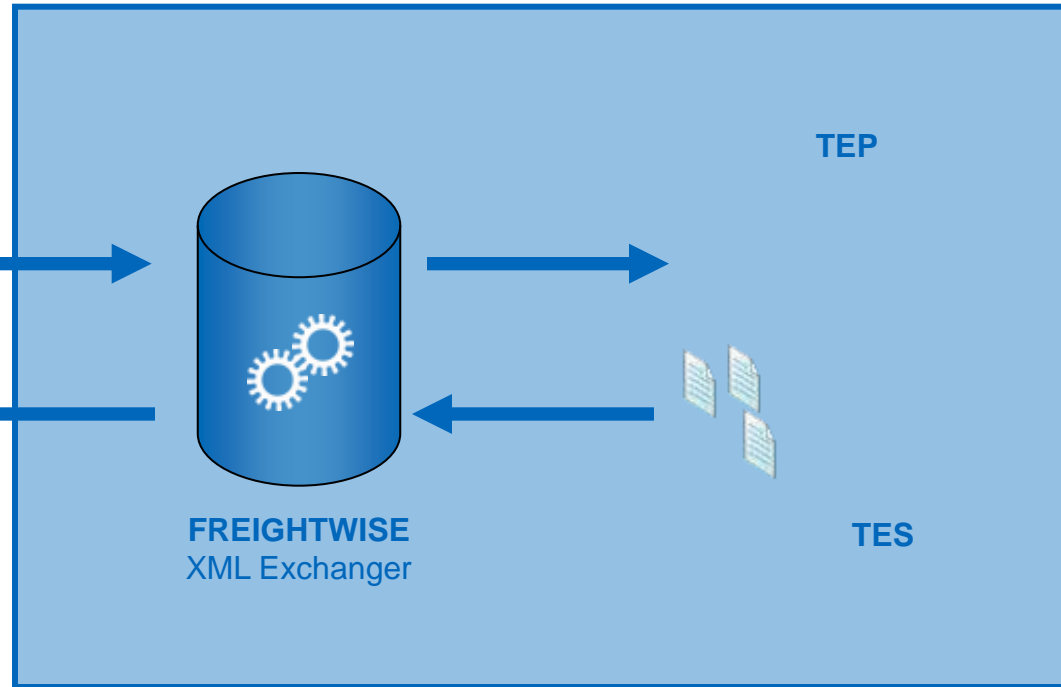
Transformation of messages



Rail COPRAR



IFCSUM



TEP

FREIGHTWISE
XML Exchanger

TES

Integration

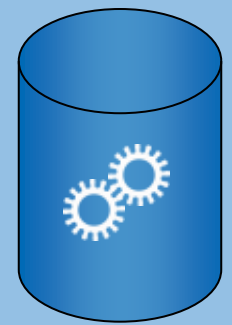
User: Thpa
TrainCode: All00 (*)

Arrival/Departures

1. Check Train
2. Set reasons for dfo
3. Update train checked
4. Arrive 5. Depart
0. Exit

Choose a function to execute.

Train Status



TES



Train Composition



TEP

FREIGHTWISE
XML Exchanger



FREIGHTWISE XML exchanger

Creation
Viewing
Editing
of
FREIGHTWISE
messages

The screenshot shows a web browser window displaying the 'FREIGHTWISE FWF - eDoc' interface. The page is titled 'Untitled Page - Mozilla Firefox' and the address bar shows 'http://localhost:2521/460268146changes/0/createtp.jsp'. The interface includes a navigation menu on the left with options like 'All Messages', 'New Messages', 'Incoming Messages', 'Outgoing Messages', 'Send Message', 'Create New Message', 'Help', and 'Log'. The main content area is divided into several sections:

- TEP - General Information:** Fields for TEP ID (756085213), TEP Date (10/11/2009 22:22:30), Transport From (Company A), and From Location (ATHENS).
- TEP - Service Provider:** Fields for Transport Service Provider (OSE) and Service Location (Athens).
- TEP - Status:** Fields for TEP Ready For Execution (True), TEP Ready For Execution (False), TEP Service Completed (False), and TEP Service Completed (False).
- TEP - Service Timing:** Fields for Earliest Start Time (10/01/2009 22:22:30), Latest Start Time (10/11/2009 22:22:10), Earliest End Time (10/01/2009 22:22:30), and Latest End Time (10/11/2009 22:22:10).
- TEP - Transport Items:** A table with columns: Wagon Number, Container, Number of Units, Gross Weight, and DIML Code.

Wagon Number	Container	Number of Units	Gross Weight	DIML Code
01-01-0411217	AMF01124407	12	12	1000
- TEP - Remarks:** Fields for Remarks From T1, Remarks From T2, and Delivery Programme.

At the bottom of the form, there is a 'Send Message' button. The browser status bar at the bottom indicates 'Done' and 'Printer: Disabled'.

FREIGHTWISE XML exchanger

Upload XML files

Web services for
integration with
existing
management
systems



FREIGHTWISE rail GIS

Easy view of
status messages
through
GIS web interface



Train Info			
Train Code AI100			
Current Status Larisa, Arrived			
Projected Trip Duration 11 hours			
Remaining Trip Duration 6 hours 17 minutes			
Current Trip Duration 4 hours 59 minutes			
Assigned Wagons			
Shp ID	Wagon Number	Dispatch Station	Dis
1356	555555-500	Athens	10
1357	444444-400	Athens	10
1358	111111-100	Athens	10
Station	Projected Arrival	Projected Arrival (Upd)	Arrival
Athens	-	-	-
Lianokladi	03/04/2008 18:28:01	03/04/2008 18:30:00	03/04/2008
Larisa	03/04/2008 21:28:01	03/04/2008 21:25:15	03/04/2008
Thessaloniki Com Term	04/04/2008 00:28:01	04/04/2008 00:13:15	-
Idomeni Station	04/04/2008 03:28:01	04/04/2008 03:10:15	-

Name	Arriving trains	Departing trains	Expected wags	Available wags	Out wagons	X	Y
1. Drogani, Marone	1	0	0	0	0	20.460000	44.019010
2. Balakopi	0	0	0	0	0	18.000000	47.000000
3. Daliq	0	0	0	0	0	22.804720	40.859720
4. Dendrograti	0	0	0	0	0	22.080000	43.000000
5. Drogosani	1	0	0	0	0	22.931670	42.918930
6. Gengelis	1	0	0	0	0	22.000000	41.000000
7. Idomeni	0	0	0	0	0	22.511100	41.121950
8. Halobia	0	1	0	0	0	19.651940	46.192090
9. Pevosio	0	0	0	0	0	21.239440	49.001870
10. Serviti Marot - Zagreb	0	0	0	0	0	15.722000	45.864300
11. Sid	0	0	0	0	0	16.233330	45.116870
12. Sopron	0	0	0	0	0	18.000000	47.000000
13. Subotica	0	0	0	0	0	18.000000	46.000000
14. Talarci	0	0	0	0	0	21.000000	42.000000
15. Zalac	0	0	0	0	0	14.000000	46.000000

Thank you for your attention!

**George Tsoukos
TREDIT S.A**

www.tredit.gr