

RIS best cases

Mantua Italy 2012



Periskal at a glance

- Software company, head office Belgium, sister companies in Serbia, Rumania and Ukraine
- Since 1990, focus on Inland ECDIS systems and RIS technology, 5000 customers in Europe, 32 employees
- Main products/core business:
 - Inland ECDIS Viewer and Periskal Radar Overlay
 - Software components for River Information Services
 - Hardware components & complete AIS Base Stations networks
- Certified:
 - DNV ISO 9001 -2008
 - DNV ISO 14001
 - Microsoft Silver Partner

RIS in Serbia

- Supervision contract by IC Consulanten and Via Donau
- Supplies tender executed by Periskal cvba in total amount of 2.3 Million Euro
- Service tender executed by Selex Sistem Integrati and Periskal cvba an Periskal doo in total amount of 6.4 Million Euro

RIS Serbia components

- Installation of 250 vessels with navigation equipment:
 - Periskal Inland ECDIS Viewers / Transponders / Radars / ...
 - Periskal Radar Overlay on authority vessels
- Installation of AIS Base station network
 - Installation of 15 + 3 Base stations: racks + antennas
- Setting up and architecture of RIS centre
 - AIS Tracking & tracing software components
 - ERI, International Data Exchange
 - Notice to Skipper
 - DGPS Monitoring
 - Inland ECDIS, D4D, Lock management, Hull Database
 - Iala DGPS system

Tracking and Tracing

Ship Segment – Ship equipment
programme

Shore Segment - Basestations

Ship Installations



BS Antenna Locations



Setup



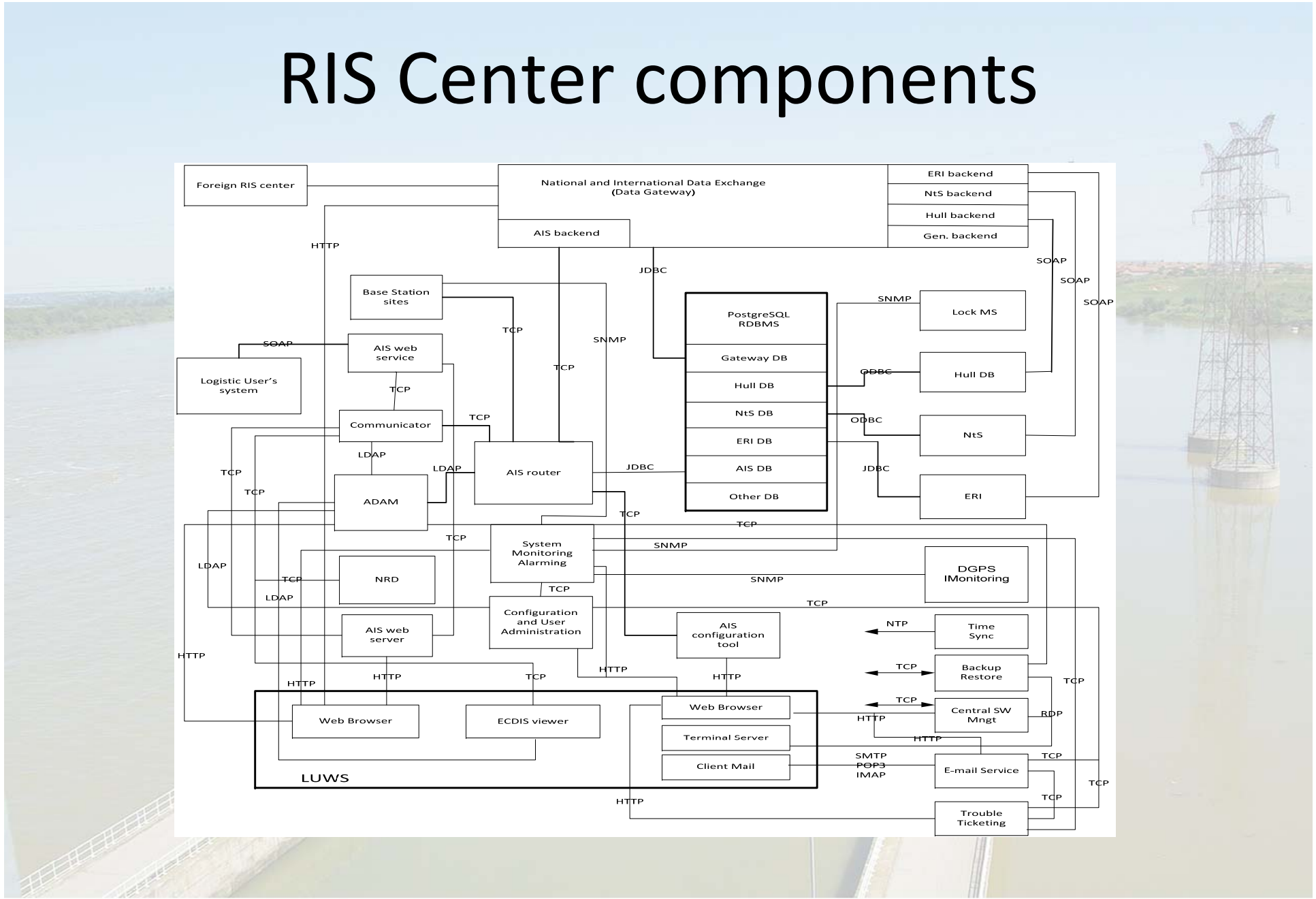
BS Outdoor Rack



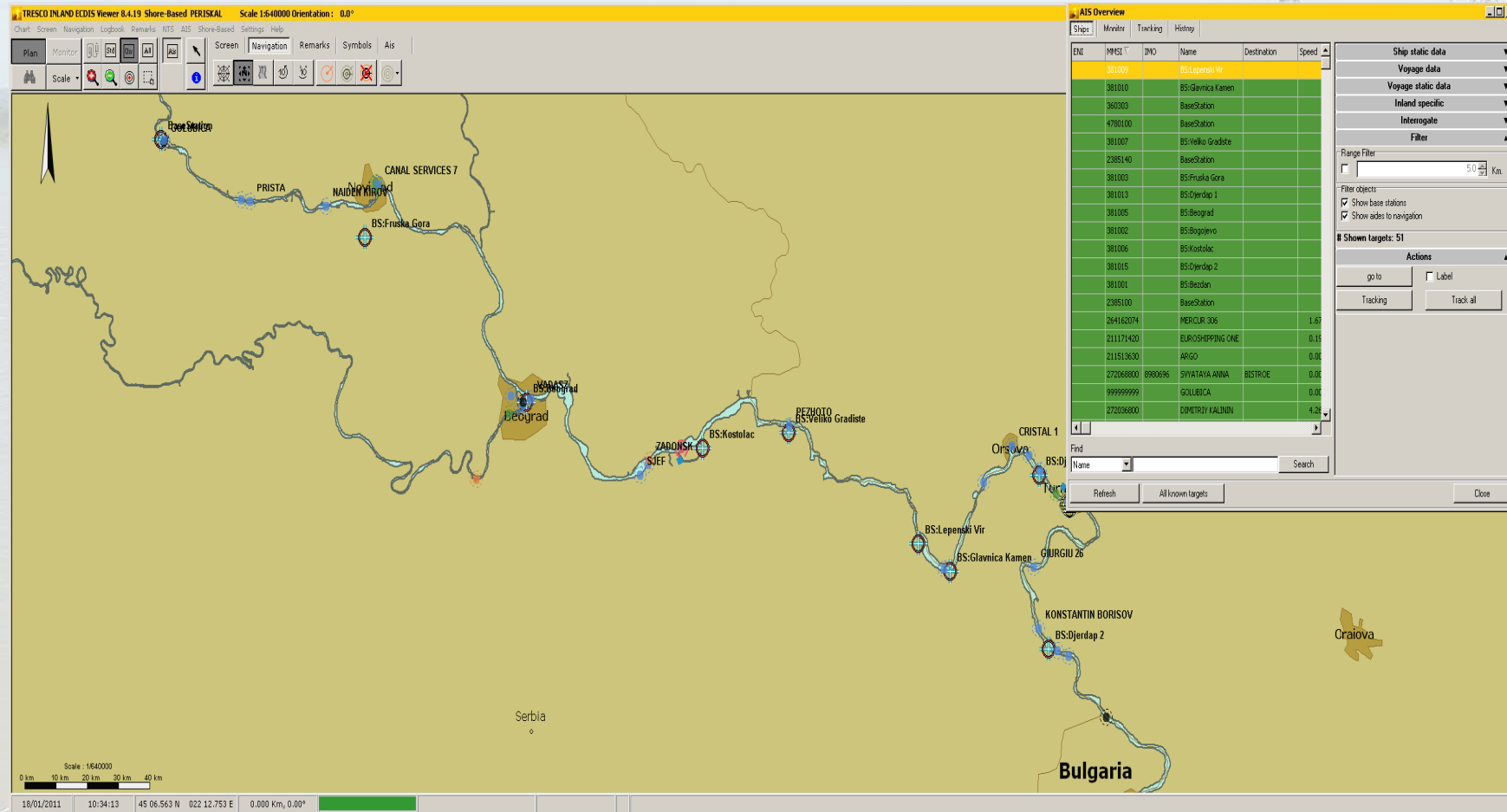


Tracking and Tracing

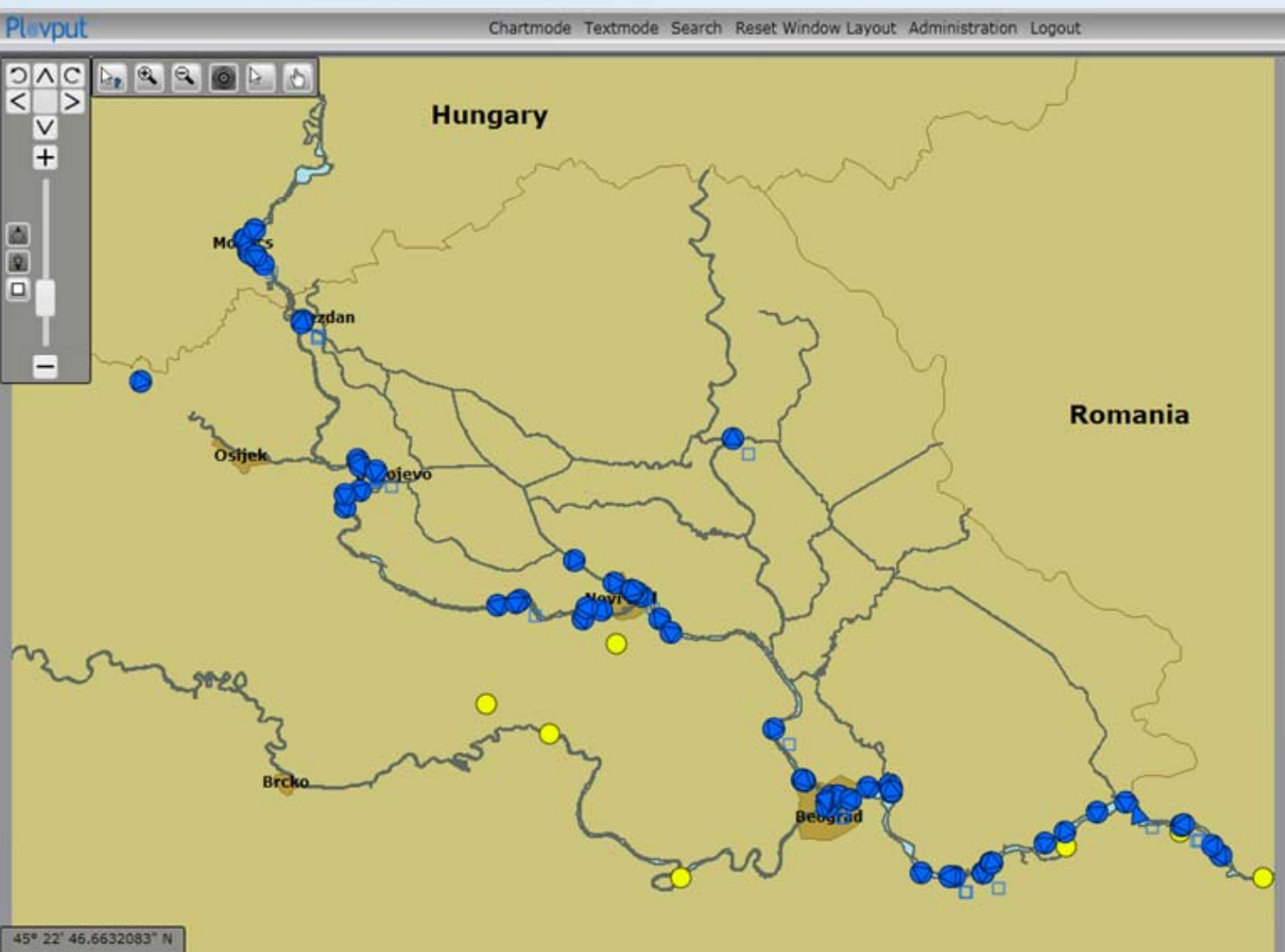
Shore Based RIS Center
Luws – Local workstations
Web application and XML service

[illegible]

Inland ECDIS Viewer – Shore Based



Web based tools



Overview ▾									
of 4 ▶▶									
Name	SOG	COG	Heading	Latitude	Longitude	Blue Sign	Type	Last Seen	Target Type
ARIN III	0.0 kn	234.2 °	N/A	44° 51' 59.028" N	020° 22' 23.148" E	0	70	17/10/2012 10:27:40 UTC	Ship
PATOVAC	0.0 kn	155.7 °	N/A	45° 15' 32.718" N	019° 53' 18.366" E	0	20	17/10/2012 10:27:40 UTC	Ship
MINA	3.6 kn	268.9 °	N/A	44° 39' 30.318" N	020° 49' 02.526" E	1	52	17/10/2012 10:26:49 UTC	Ship
	2.6 kn	310.1 °	N/A	44° 39' 58.17" N	020° 43' 54.378" E	0	0	17/10/2012 10:27:39 UTC	Ship
ADJAR III	1.9 kn	261.7 °	N/A	45° 58' 59.568" N	018° 43' 06.894" E	1	80	17/10/2012 10:27:39 UTC	Ship
OHACS PORT	0.0 kn	266.6 °	N/A	45° 59' 02.088" N	018° 43' 03.774" E	0	69	17/10/2012 10:20:37 UTC	Ship
ELIGRAD	0.0 kn	313.6 °	N/A	44° 50' 52.83" N	020° 38' 27.108" E	0	20	17/10/2012 10:27:34 UTC	Ship
ROCONSUL	0.0 kn	253.2 °	N/A	44° 39' 59.094" N	020° 55' 10.11" E	0	80	17/10/2012 10:27:38 UTC	Ship
ALDOVO	0.0 kn	285.7 °	N/A	44° 49' 50.862" N	020° 29' 00.42" E	0	52	17/10/2012 10:27:40 UTC	Ship
IMADONNA	0.1 kn	203.1 °	N/A	44° 49' 05.298" N	020° 26' 55.056" E	0	69	17/10/2012 10:27:39 UTC	Ship
TARK	5.9 kn	267.3 °	N/A	44° 49' 56.808" N	020° 27' 20.634" E	1	79	17/10/2012 10:27:38 UTC	Ship
ARADJORDJE	6.7 kn	154.8 °	N/A	44° 42' 05.418" N	021° 38' 37.512" E	0	70	17/10/2012 10:27:40 UTC	Ship
DRAN II	0.0 kn	266.6 °	N/A	44° 51' 16.872" N	020° 38' 10.998" E	0	99	17/10/2012 10:27:32 UTC	Ship
ARIA 1	0.1 kn	197.0 °	N/A	44° 49' 33.156" N	020° 28' 33.582" E	0	70	17/10/2012 10:25:02 UTC	Ship
RAHOVO	0.0 kn	352.4 °	N/A	44° 48' 27.768" N	020° 26' 50.772" E	0	20	17/10/2012 10:27:41 UTC	Ship
ASKA	0.0 kn	280.1 °	N/A	45° 15' 58.356" N	019° 51' 53.07" E	0	56	17/10/2012 10:27:40 UTC	Ship
ZIGET	0.0 kn	235.3 °	N/A	45° 59' 36.258" N	018° 41' 40.62" E	1	90	17/10/2012 10:27:31 UTC	Ship
OVNICA	0.0 kn	327.3 °	N/A	45° 16' 15.054" N	019° 51' 17.202" E	0	70	17/10/2012 10:27:40 UTC	Ship
ITER	0.0 kn	0.0 °	N/A	44° 40' 01.896" N	020° 55' 13.836" E	0	70	17/10/2012 10:27:20 UTC	Ship
ODGORINA	2.8 kn	105.1 °	N/A	44° 51' 44.88" N	020° 23' 00.474" E	0	70	17/10/2012 10:27:40 UTC	Ship
	4.5 kn	133.8 °	N/A	44° 51' 58.374" N	020° 22' 34.194" E	0	0	17/10/2012 10:22:18 UTC	Ship
IS-2	4.7 kn	294.5 °	N/A	45° 15' 56.802" N	019° 52' 17.508" E	1	89	17/10/2012 10:27:40 UTC	Ship
ARIN IV	0.0 kn	14.1 °	N/A	45° 13' 45.60" N	019° 45' 57.228" E	0	80	17/10/2012 10:27:40 UTC	Ship
ADRO	12.2 kn	164.3 °	N/A	45° 32' 44.04" N	019° 01' 45.528" E	0	70	17/10/2012 10:27:38 UTC	Ship



Network Control



Nagios - Windows Internet Explorer

http://intranet.periskal.be/nagios/

Bestand Bewerken Beeld Favorieten Extra Help

Nagios

Nagios

General

Home

Documentation

Nagvis

Overview

Amfreville

Cassel

Les-Alluets-Le-Roi

Melin

Nanterre

Rouen

Vernon

Vernou

Villeneuve-d'Asc

Villers-Pol

Monitoring

Tactical Overview

Service Detail

Host Detail

Hostgroup Overview

Hostgroup Summary

Hostgroup Grid

Servicegroup Overview

Servicegroup Summary

Servicegroup Grid

Service Problems

Unhandled

Host Problems

Unhandled

Network Outages

Show Host:

Comments

Downtime

Process Info

Performance Info

Scheduling Queue

Reporting

Trends

Availability

Alert Histogram

Alert History

Alert Summary

Notifications

Event Log

Configuration

View Config

NagVis

Select map: vnf

Edit current map

Refresh/Rotate:

France

Abbeyville

Amiens

Compiègne

Soissons

Paris

Rouen

Le Havre

Watten

St-Omer

Aire-sur-la-Lys

Commines

Rooselare

Maingny

Terrier

Anizy-le-Château

Asfeld

Dunkerque

Polkestone

Hastings

Beechy Head

Newhaven

hostgroup-StationBase-Cassel

Alias

Summary State

Summary Output

There are 5 UP Hosts.

Host Name	State	Output
base-station-cassel2	UP	The Host is UP. There are 1 OK Services.
base-station-cassel	UP	The Host is UP. There are 1 OK Services.
ups-cassel	UP	The Host is UP. There are 3 OK, 1 PENDING S
bsc-cassel2	UP	The Host is UP. There are 4 OK Services.
bsc-cassel	UP	The Host is UP. There are 4 OK Services.

Other RIS Systems

Electronic Reporting ERI

Notice to Skipper

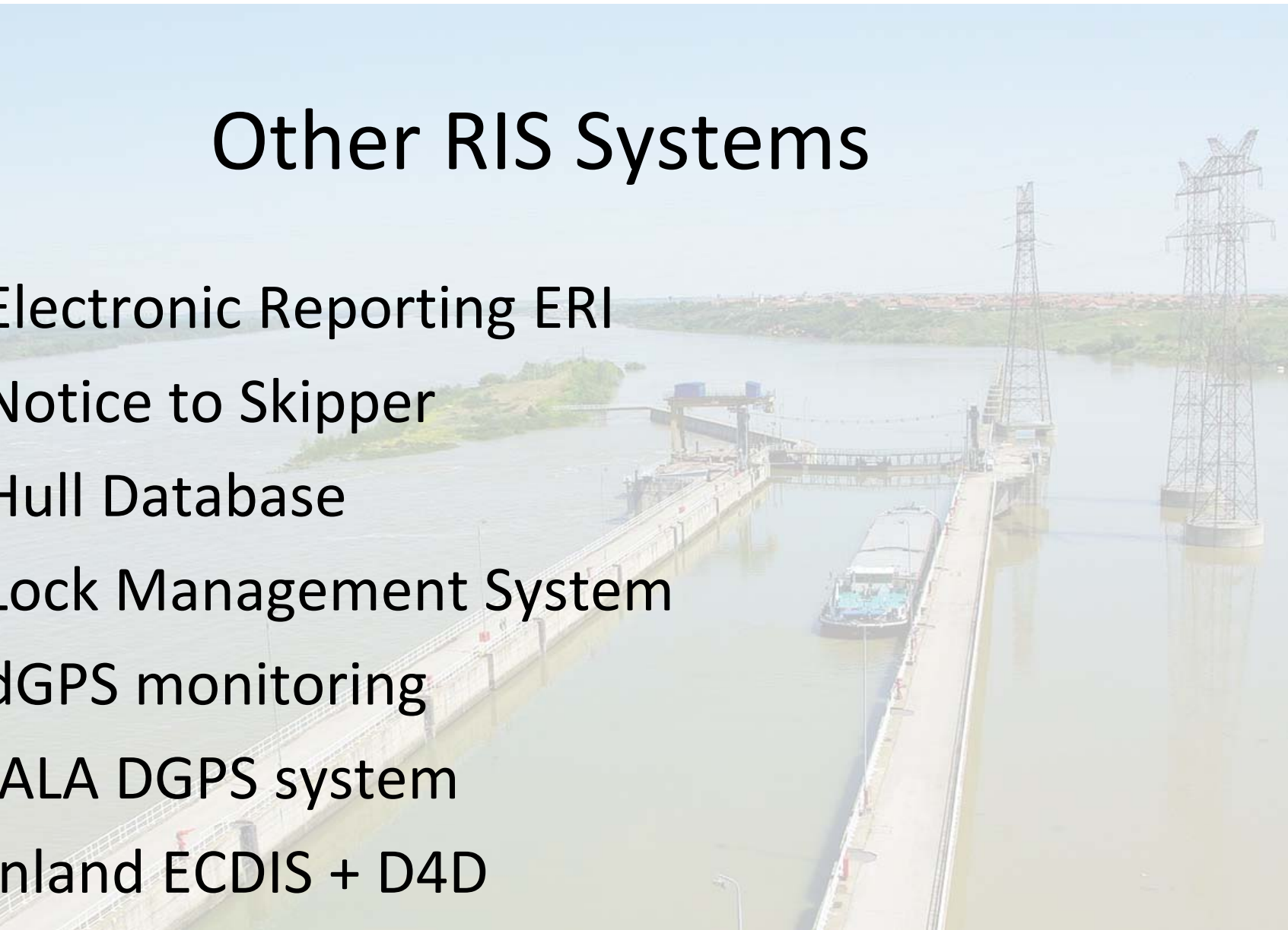
Hull Database

Lock Management System

DGPS monitoring

ALA DGPS system

Inland ECDIS + D4D



Electronic Reporting

Voyage number

Vessel

	Name	Vessel id type	Vessel id	Estimated time of departure	Estimated time of arrival
☐	BargeA2	ENI	11000002	27.10.2011 12:38:21	29.10.2011 12:38:32
☐	BargeA1	ENI	11000001	22.12.2011 13:31:19	24.12.2011 13:31:34
☒	VesselA1	ENI	10000001	23.07.2012 08:45:00	25.07.2012 14:20:00

Recipients

First Name	Surname	Suborganization	Organization	National Domain	E-mail	Format	
test	lastname	suborg	org	risserbia.rs			Remove
				risserbia.rs	test@risserbia.rs	PDF document	Remove

User E-mail

E-mail	Format	Language
test@risserbia.rs	PDF document	Serbian
Add recipient		

Notice to Skipper

Home E-mail service Login

Search Notices to skippers

River

From RKM To RKM

Validity from 10.09.2012 Validity to 10.10.2012

From issue date

☒ Fairway and traffic related message
☐ Waterlevel related message
☐ Ice related message
☐ Weather related message

Language English

Notices to skippers

Description	Waterway section	Date issue	Date start	Date end	Code	XML
FTM 2012/14/0, Blockage, work	Dunav (942.0 - 943.0)	31.07.2012	09.08.2012	13.09.2012	Code	XML
FTM 2012/10/0, Blockage, inspection	Dunav (942.0 - 943.0)	28.08.2012	28.08.2012	29.09.2012	Code	XML
FTM 2012/9/5, Blockage, work	Dunav (942.0 - 943.0)	30.07.2012	23.07.2012	13.09.2012	Code	XML

Notices to Skippers

Hull Database

Manage hull

Search hull

History

Vessels

Create New Hull

1234

Craft Name	Issuing Authority	Id Eni	Status	Eni Checked	Cmd
Lovnica	RS01	ENI:36000023	Draft	✓	EditPublish
MarioTestVessel14	RS01	ENI:36000026	Draft	✓	EditPublish
MarioTestVessel15	RS01	ENI:36000027 MMSI:888888888	Draft	✓	EditPublish
Test13	RS01	ENI:35000032 IMO:4567897 MMSI:284777827	Edited	✓	EditPublish
Name2	RS01	ENI:35000033 MMSI:123412341	Draft	✓	EditPublish
ndsada	RS01	ENI:35000006	Draft	✓	EditPublish
Titan	RS01	ENI:35000004	Edited	✓	EditPublish
Vessel-1-11asfasf	RS01	ENI:35000042	Draft	✓	EditPublish
Vessel-1-36	RS01	ENI:35000036	Draft	✓	EditPublish
Lovnici	RS01	ENI:35000048	Draft	✓	EditPublish
Vessel-1-29	RS01	ENI:36000005	Draft	✓	EditPublish
MarioTestVessel19	RS01	ENI:36000029 MMSI:86519752	Draft	✓	EditPublish

Lock Management

Data for: Đerdap 1, 12/01/2012. Adobe PDF Download

Serbian lock information table

Direction	No. of lockings			No. of locked convoys		
	Daily	Monthly	Annual	Daily	Monthly	Annual
Upstream	3	3	3	3	3	3
Downstream	8	8	8	8	8	8
Total	11	11	11	11	11	11

Romanian lock information table

Direction	No. of lockings			No. of locked convoys		
	Daily	Monthly	Annual	Daily	Monthly	Annual
Upstream	2	2	2	41	41	41
Downstream	0	0	0	0	0	0
Total	2	2	2	41	41	41

Malfunctions/obstructions

No.	Start time	End time	Duration	Type	Chamber status
1.	12/01/2012 11:56	12/01/2012 12:59	0d 1h 3min	Type 2	Partially Availab
2.	12/01/2012 11:57	12/01/2012 11:57	0d 0h 0min	Type 1	Available

Operational status of lock

No.	Start time	End time	Expected duration days	Expected duration hours	Status	
1.	12/01/2012 11:49	12/01/2012 11:51	1	0	Not Available	Reason 2

Note:

The data contained in this report was recorded during the stability & performance tests.

An aerial photograph of a river lock system. A long concrete lock chamber runs parallel to the riverbank. A large barge is positioned inside the lock. To the right of the lock, two tall metal lattice towers stand in the water. The river is wide and calm, reflecting the sky. The background shows a distant shoreline with some buildings and trees under a clear blue sky.

Related project in Serbia

Rising
Lock Planning Tool
Lirp

LOCK reservations

Provides information about the current lock reservations

RESERVATION LIST

[Review the active reservations list](#)

☐ Starts with Filter

[illegible]

Review reservation

Reload Database

6/6 reservations



Status

Information about the current lock & chamber status

Selected lock : **Iron Gate 1**

Select Lock

Iron Gate 1

Current status :

PARTIAL

Average Passage Time

00:00:00[View more averages](#)

DETAILS

Lock ID : **RS0001L1**
Lock Name : **Iron Gate 1**
Location : **Danube**
Lock ID : **942**
Direction : **DOWNstream**
Lockers : **2**

[Refresh data](#)

LOCK CHAMBERS

Chamber #1

AVAILABLE

Chamber #2

PARTIAL

Chamber #3

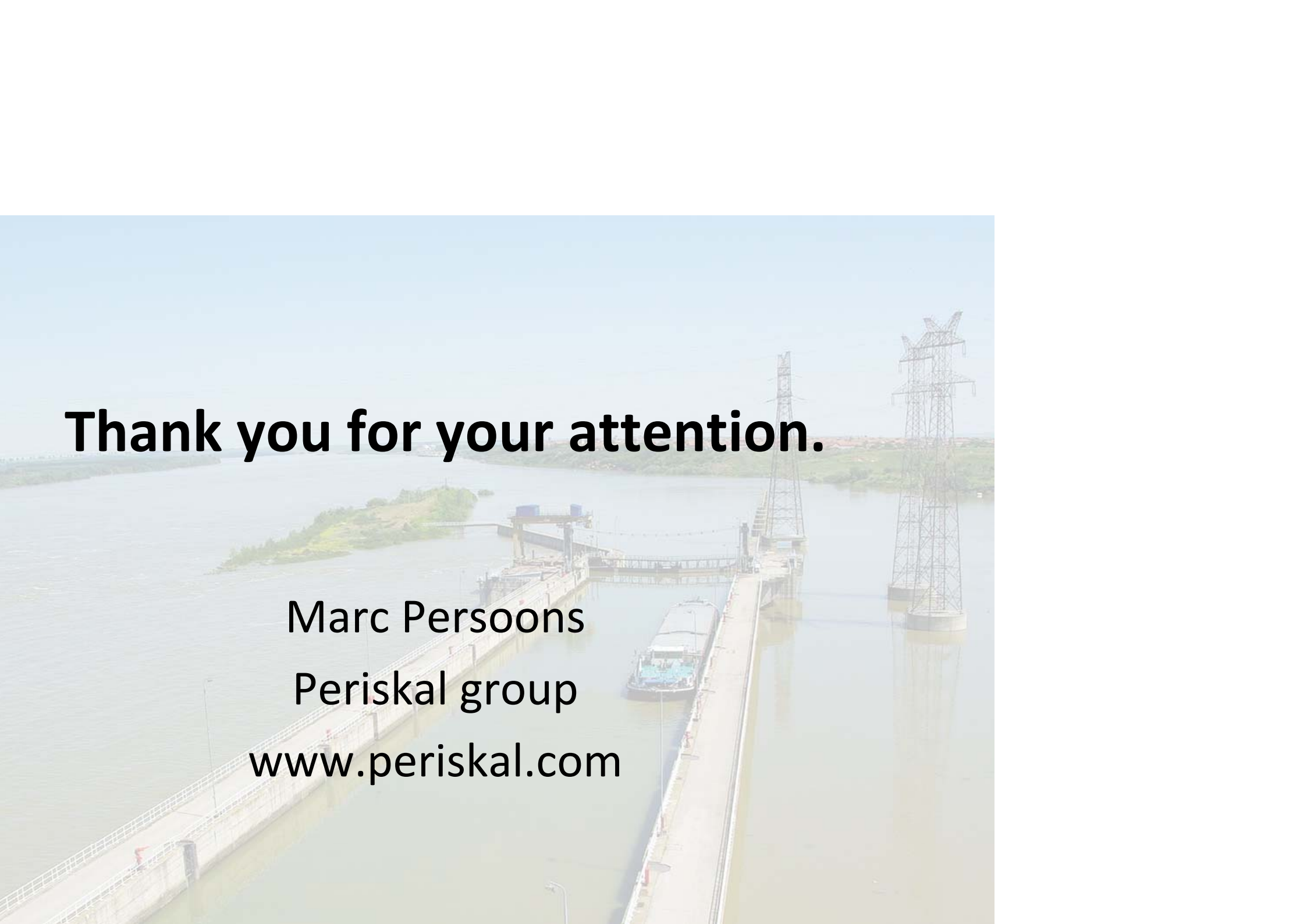
N/A

Chamber	Limitation	Description	Start	Duration
IG1 Chamber 1				
IG1 Chamber 2	OBSTRU	Maintenance work on the left chamber wall.	2011-09-01 11:52:53	14

Limitation Code :

Expected End :

Limitation Reason :

An aerial photograph of a large dam or lock system. A long concrete structure runs across the frame, with a barge passing through a narrow channel. In the background, there are several tall electrical transmission towers and a body of water. The sky is clear and blue.

Thank you for your attention.

Marc Persoons
Periskal group
www.periskal.com