oltis group

TAF TSI and CEF funding including Real life experience in TAF TSI implementation with EU funding
| Innovative Railway Software Solutions

Kamila Mestická
Project Coordinator

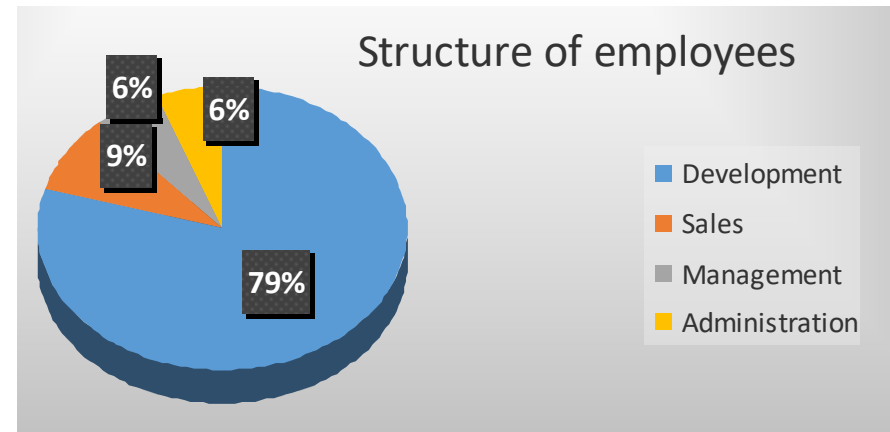7th Regional TAF TSI Workshop
Bucharest | Romania | 7 – 8 March 2018

OLTIS Group Profile

OLTIS Group | Profile

- A Czech private group of specialized software companies

- Close and effective cooperation since 1993

- The main development background is based in Czech Republic

- Own subsidiaries in Slovakia, Poland and Hungary

- ISO certified,
  Microsoft and Oracle Gold partner

- State of the art Datacentre

- Membership: UNIFE, OSJD, CCTT, IBS; UIC, CIT, OTIF

- Projects: Eureka, FP7, Horizon 2020, Shift2Rail, CEF

Structure of employees

6% 6% 9% 79%

- Development
- Sales
- Management
- Administration

OLTIS Group | Strong IT Group

IT Systems for Transport and Logistics

| RAIL FREIGHT TRANSPORT | INFRASTRUCTURE MANAGER | PASSENGER TRANSPORT | LOGISTICS |

Innovative Software Solutions
TAF/TAP TSI compliant or ready

www.oltisgroup.com

OLTIS Group | References

Infrastructure Managers; Railway Undertakings; Railway freight forwarders and operators; Wagon keepers; Production plants and cargo shippers; Road carriers and forwarders, Terminals and Warehouse operators; Universities; Associations

OLTIS Group | Solution for IM

Comprehensive platform of specialized IT tools

- National register of infrastructure
- Infrastructure restrictions management (temporary route closures)
- Railway route capacity selling and ordering; Ad hoc train path timetabling
- Dispatching control and traffic management over the whole network
- Exceptional consignments planning and management
- Personnel planning and performance management
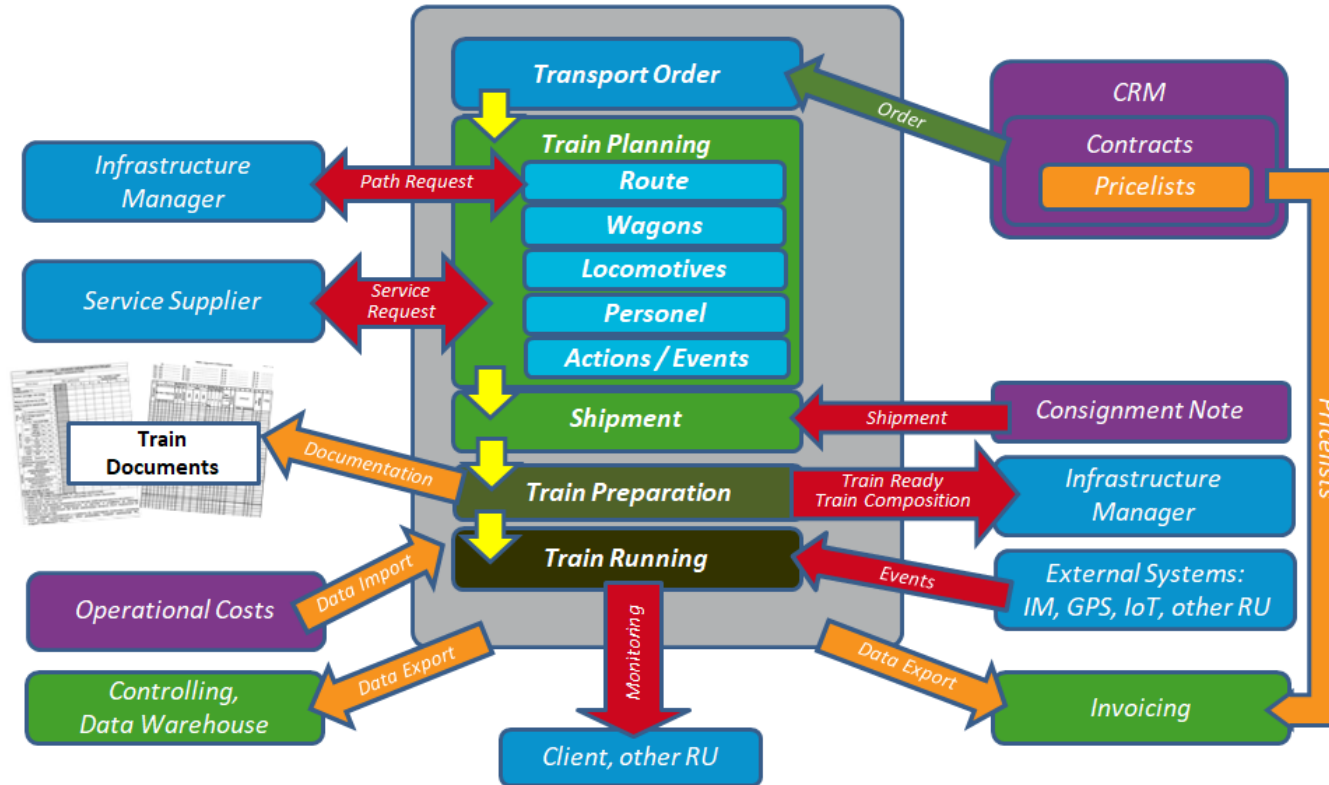- Railway network access fee calculation

TAF TSI
- RSRD
- Path Request
- Train Composition
- Train Ready
- Train Running

Planning – Operations – Evaluation

TAF TSI
- Path Request
- Train Composition
- Train Ready
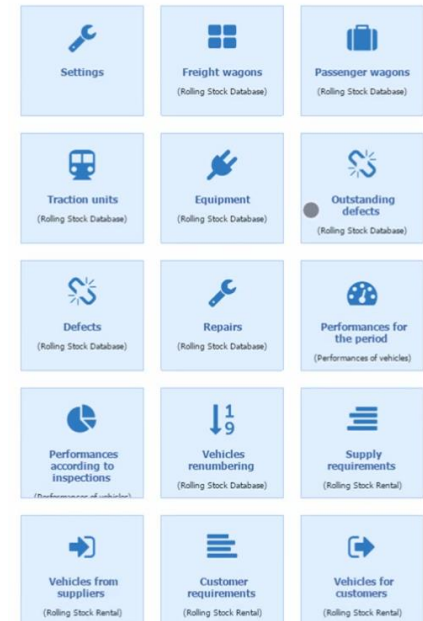- Train Running

OLTIS Group | IT System for WK

Rail Vehicle Register of freight cars, passenger cars and locomotives

- Technical data of the vehicle and the detachable equipment
- Regular maintenance checks planning; maintenance alerts
- Defects (AVV classifications) registration, repairs planning
- Rental and lease contracts
- Accounting/controlling data pre-processing

- Mobile application for tablets/smartphones
- Ready for integration with positioning, mileage calculation

Settings	Freight wagons (Rolling Stock Database)	Passenger wagons (Rolling Stock Database)
Traction units (Rolling Stock Database)	Equipment (Rolling Stock Database)	Outstanding defects (Rolling Stock Database)
Defects (Rolling Stock Database)	Repairs (Rolling Stock Database)	Performances for the period (Performances of vehicles)
Performances according to inspections	Vehicles renumbering (Rolling Stock Database)	Supply requirements (Rolling Stock Rental)
Vehicles from suppliers (Rolling Stock Rental)	Customer requirements (Rolling Stock Rental)	Vehicles for customers (Rolling Stock Rental)

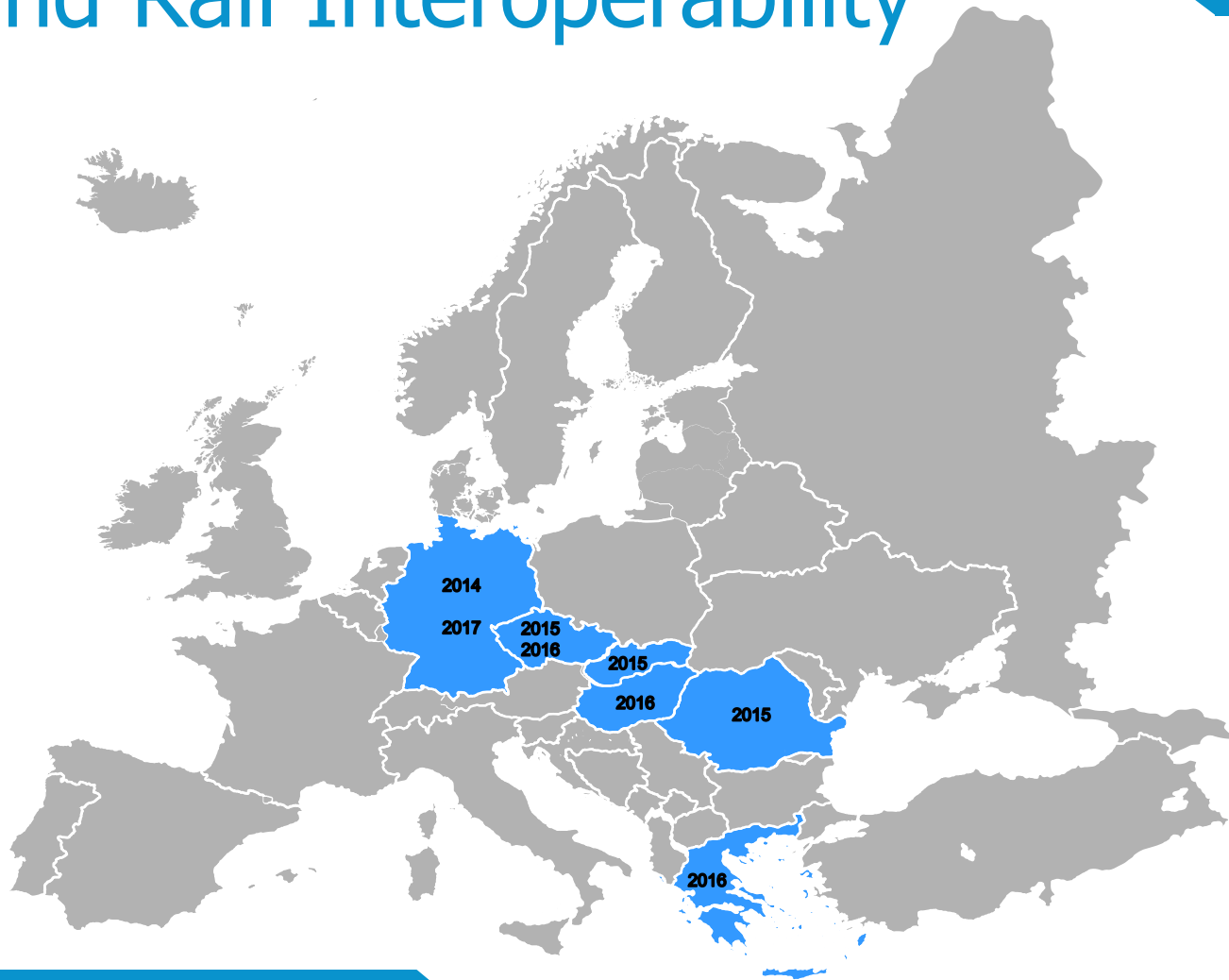**TAF TSI**
- RSRD ready

r's

TAF/TAP TSI CEF Projects

CEF General Information

Connecting Europe Facility

- Contributes to the realization of the Trans-European Transport Network (TEN-T) by financing key projects to upgrade infrastructure and remove existing bottlenecks whilst also promoting sustainable and innovative mobility solutions
- CEF Transport budget is implemented in the forms of grants
- Previously - advantageous conditions for cohesion countries

CEF and Rail Interoperability

CEF Transport Projects with OLTIS Participation

CEF Transport 2015

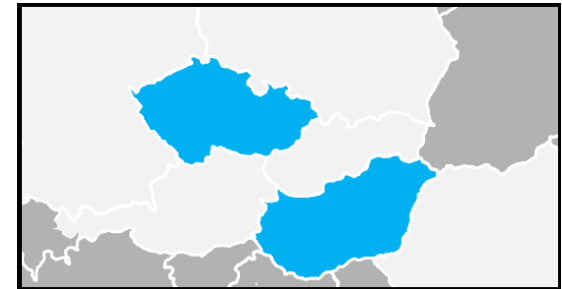**Implementation of TAF TSI at private railway undertakings**

2017–2019 | **1** MEur | **11** companies involved | Leader: oltis group

CEF Transport 2016

Implementation of TAF TSI at Hungarian private railway undertakings

2018–2020 | **1,25** MEur | **3** partners | Leader: oltis group

Implemented TAF TSI Messages

TAF TSI implementation Phase 1:　　Common Interface, Reference Files, Rolling Stock Reference Database

TAF TSI implementation Phase 2:　　Consignment Note Data, Wagon Movement, Operating Rolling Stock Data/ WIMO (Wagon and Intermodal Unit Operating Database)

TAF TSI implementation Phase 3:　　Path Request, Train Composition Message, Train Running

TAF TSI implementation Phase 4:　　Service Disruption Information, Train Ready Message, Shipment ETA (Estimated Time of Arrival) / ETI (Estimated Time of Interchange)

Railway Organisations

Railway organisation	Product	RSRD	Path Request		Path Details		Train Composition			Train Ready		Train Running		
			CZ	HU	CZ	HU	CZ	SK	HU	CZ	HU	CZ	SK	HU
BF Logistics; ODOS; Unipetrol RPA; SD - Kolejová doprava; AWT (Adwanced World Transport); SPCHV; IDS Cargo; Express Group; Prvá Slovenská Železničná; Railtrans International; Petrolsped; Carbo Rail; MMV; Floyd	EVAL; KLWP; IS OLTIS	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔

✔ implemented   ✔ in progress

TAF/TAP TSI Implementations 2/2

Railway Organisations

Railway organisation	Product	Company Reference Files	Location Reference Files	RSRD	Path Request	Train Identifiers	Infrastructure Reference Notice Database	Train Composition	Train Ready	Train Running
SŽDC (Czech IM)	KAFR; REVOZ; KADR; DOMIN; CDS; GRAPP; APORT; KAPO; DW; ETD	✓	✓	✓	✓	✓	✓	✓	✓	✓
ČD Cargo (Czech „national" freight RU)	EMAN; DISK OŘ; KASO; APS	✓	✓		✓	✓	✓	✓	✓	✓
ČD (Czech „national" passenger RU)	APS	✓	✓		✓	✓		✓	✓	
HitRail	HEROS				✓			✓		

EUAR TAF/TAP TSI Verification

- OG products using TAF TSI have been or are being verified by EUAR with regard to the compliance with the TAF TSI Regulation No. 1305/2014 and its Technical Documents.
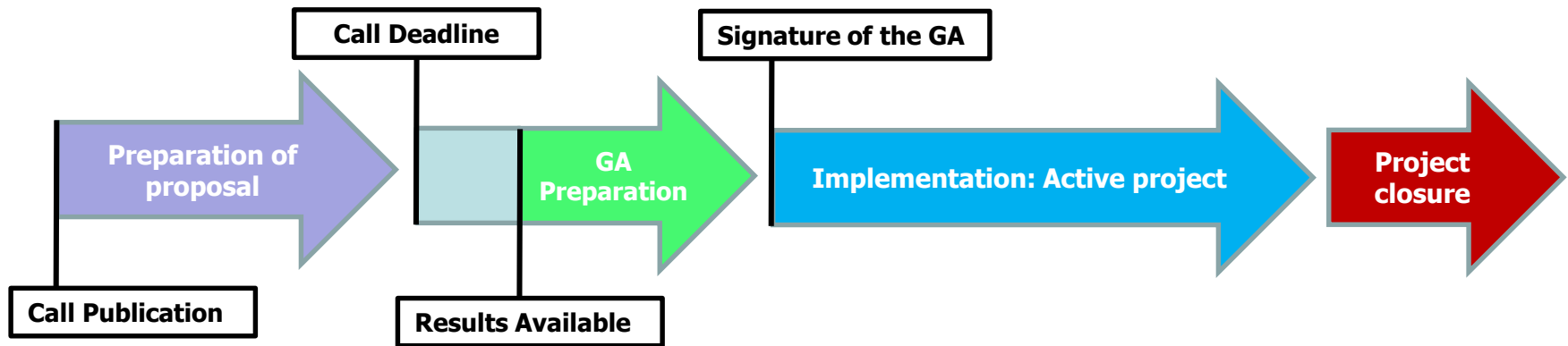- The verification process encompasses products dedicated both for the RUs and IMs.

OG - RNE Cooperation Contract

- OG and RNE has signed the Common Components System Supplier License and Service Agreement.
- OG takes over responsibility for installation, operation and support with regard to the CI.
- The implication of the Agreement brings both the technical and economic synergies for the companies using OG products.

Project Life-cycle

OLTIS CEF Experience

Benefits

- Possibility to co-finance the implementation process

- Clear guidance and established boundaries during the preparation phase of the proposal

- Very good communication with INEA's Project Officers

- Simpler administration and legal processes compared to other funding programmes (amendments, budget transfers, etc.)

OLTIS CEF Experience

Lessons Learned

- Proposal preparation is time and cost consuming and not all proposals are successful
- Finding potential for synergies with other funding programmes
- Setting up minimum-size project thresholds may demotivate SMEs (and smaller private operators)

Thank you for your kind attention

Co-financed by the European Union
Connecting Europe Facility

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