
CARGORAIL IS
Ready for intelligent future

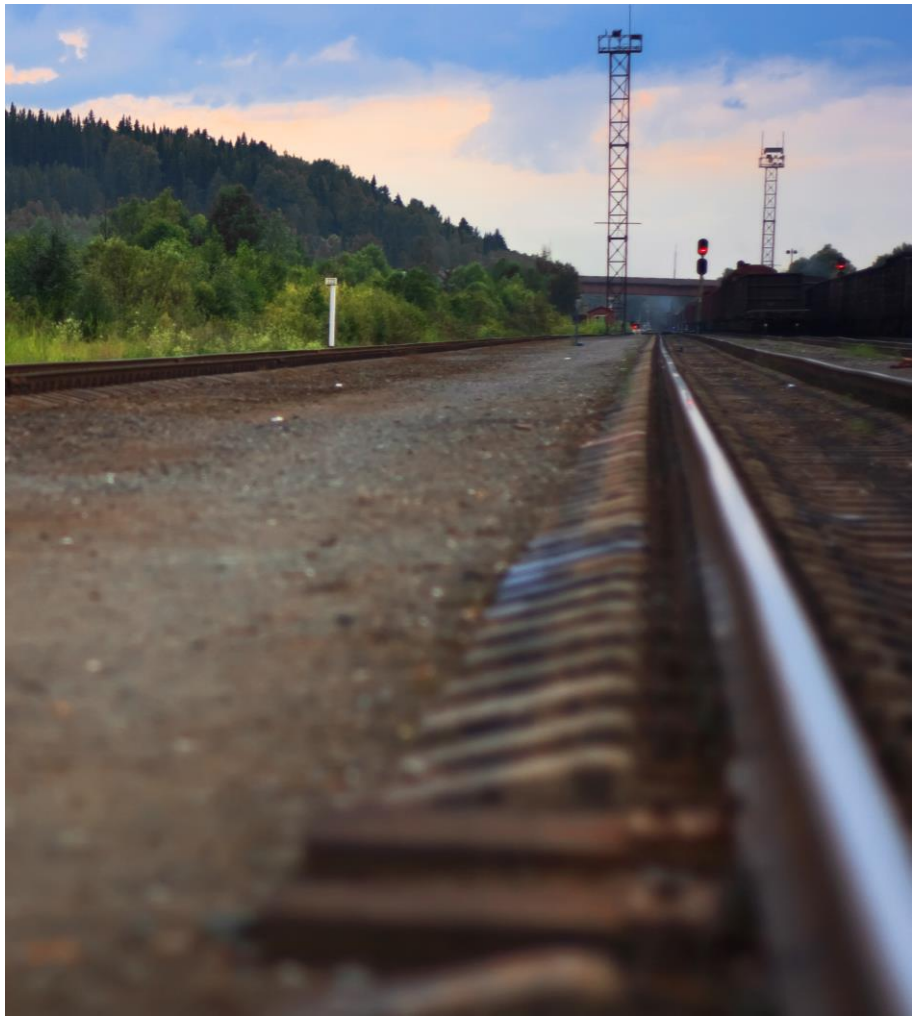
Going to intelligent future (1 step)

About 25 years ago, first system, oriented to infrastructure manager:

- **Using actions** (for example move wagon, prepare train, release train from station) not documents
- **Data is reused from previous actions**

Lessons learned:

- **Actions** are more universal, can withstand format, documents and business processes changes over time
- **Applications** installed in client computer requires more maintenance and there are many challenges to distribute them ant once



Going to intelligent future (2 step)

About 15 years ago, first system, oriented to railways undertaker:

- **Using documents** (for example consignment note, customs declaration) not actions

- **Some times data is reentered** to forms, excels and other documents to have statistical or operational information

Lessons learned:

- **Documents are easier to understand** for users and they are more flexible to change
- **Documents are resistant to join** in one coherent solutions (**inconsistent reports!**)
- **Not process!!!!!**
- **Web applications** is more simple to maintain and scale

Going to intelligent future (3 step)

More than 7 years ago, first system, oriented to railways undertaker:

- **Using operations (actions)** (for example move wagon, prepare train, release train from station) not documents

- Data is **strictly** reused from previous actions

Lessons learned:

- **Operations (actions)** are still more universal, can withstand format, documents and business processes changes over time
- **Web applications** is more simple to maintain and scale
- With **consistent data** you easily have accurate simple analytics and predictive analytics

Going to intelligent future (4 step)

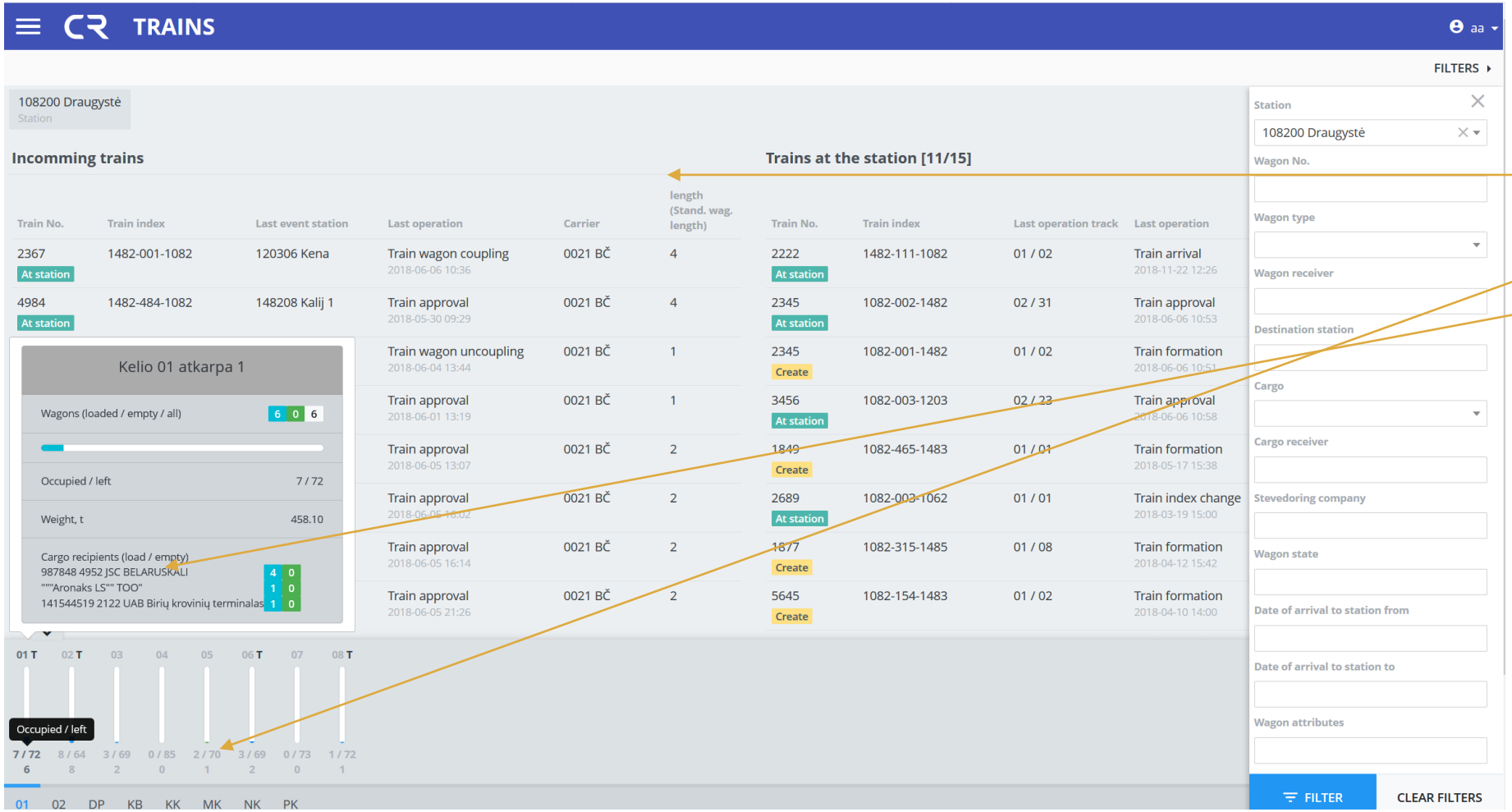
About 3 years ago, first system, oriented to railways undertaker, menevroe and infrastructure manager:

- **Using operations (actions)** (for example move wagon, prepare train, release train from station) not documents
- Using **process engine** to easily change processes depending on RU or IM
- Data is **strictly** reused from previous actions

Lessons learned:

- **Operations (actions)** are still more universal, can withstand format, documents and business processes changes over time
- **Web applications** is more simple to maintain and scale
- With **consistent data** you easily have accurate simple analytics and predictive analytics

Holistic station view

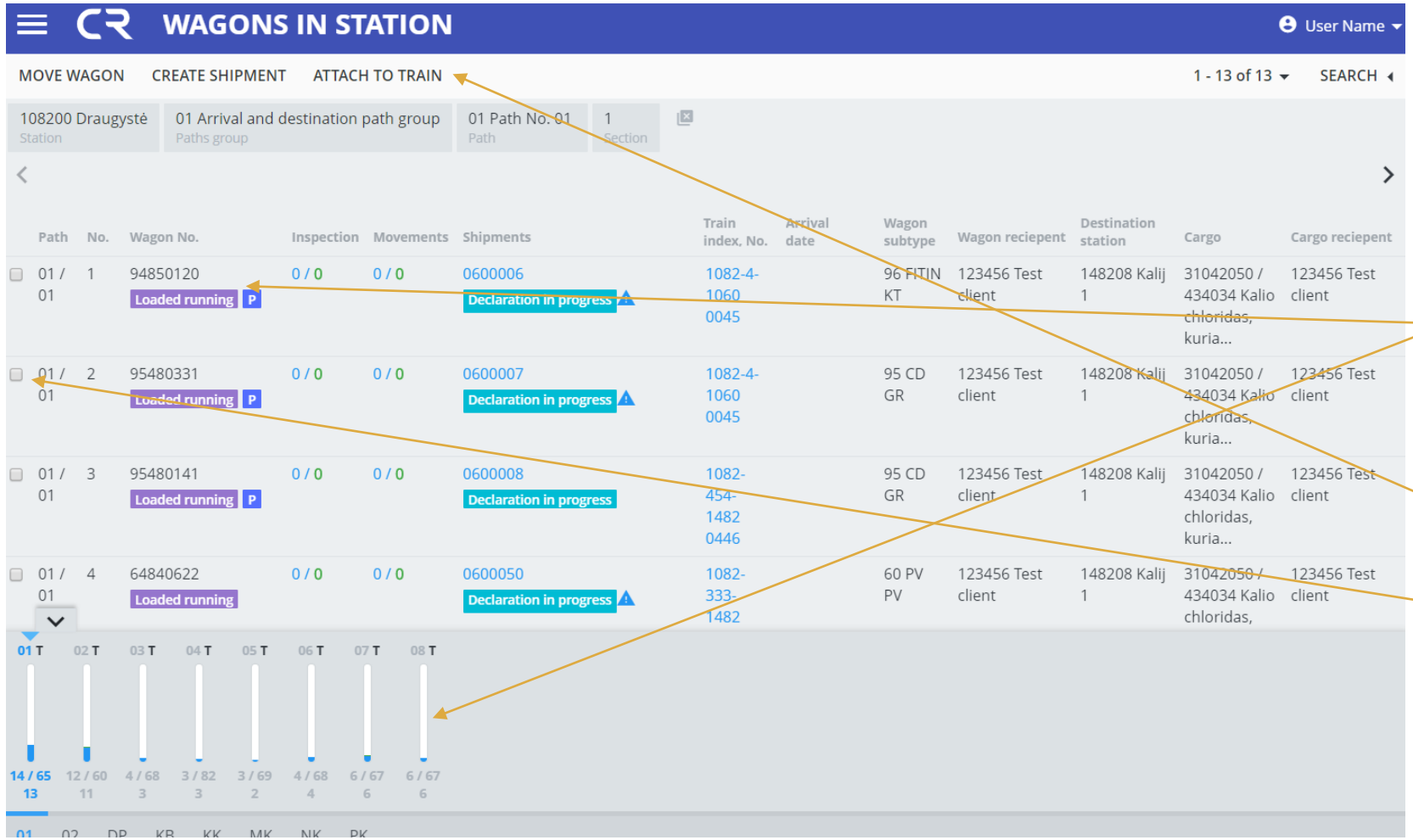


At glance station personnel can:

- See incoming and trains at station
- Tracks occupation
- Wagons cargo destinations and clients

Based on incoming trains information and tracks occupation station personnel can optimally plan wagons stream management

Location of wagons on tracks

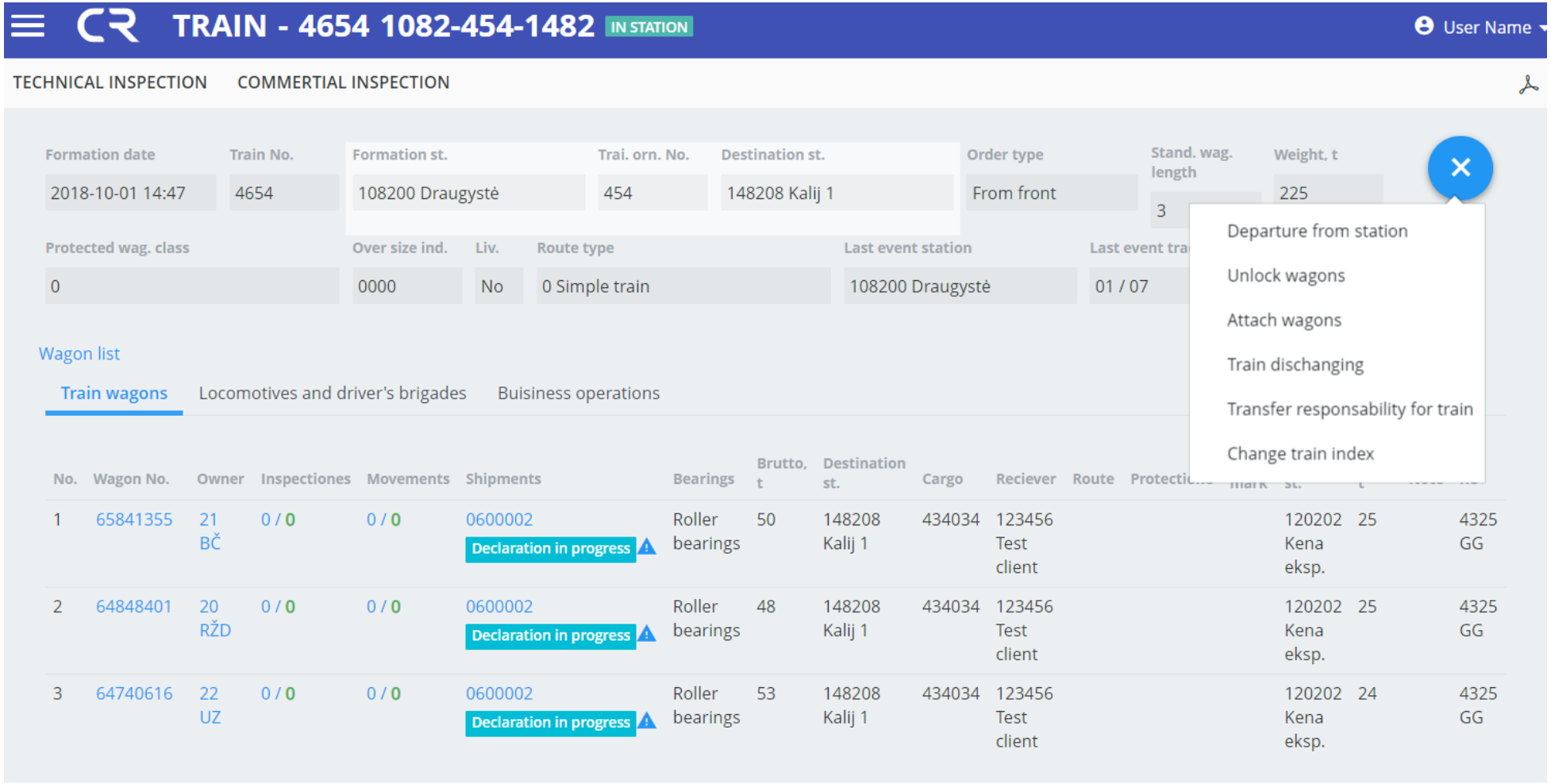


Wagons in station view lets quickly access all needed information at glance:

- Occupation of tracks
- Wagons states
- Wagons cargo destinations and clients

Also user can engage in variety of actions by marking wagons in row and initiating actions .

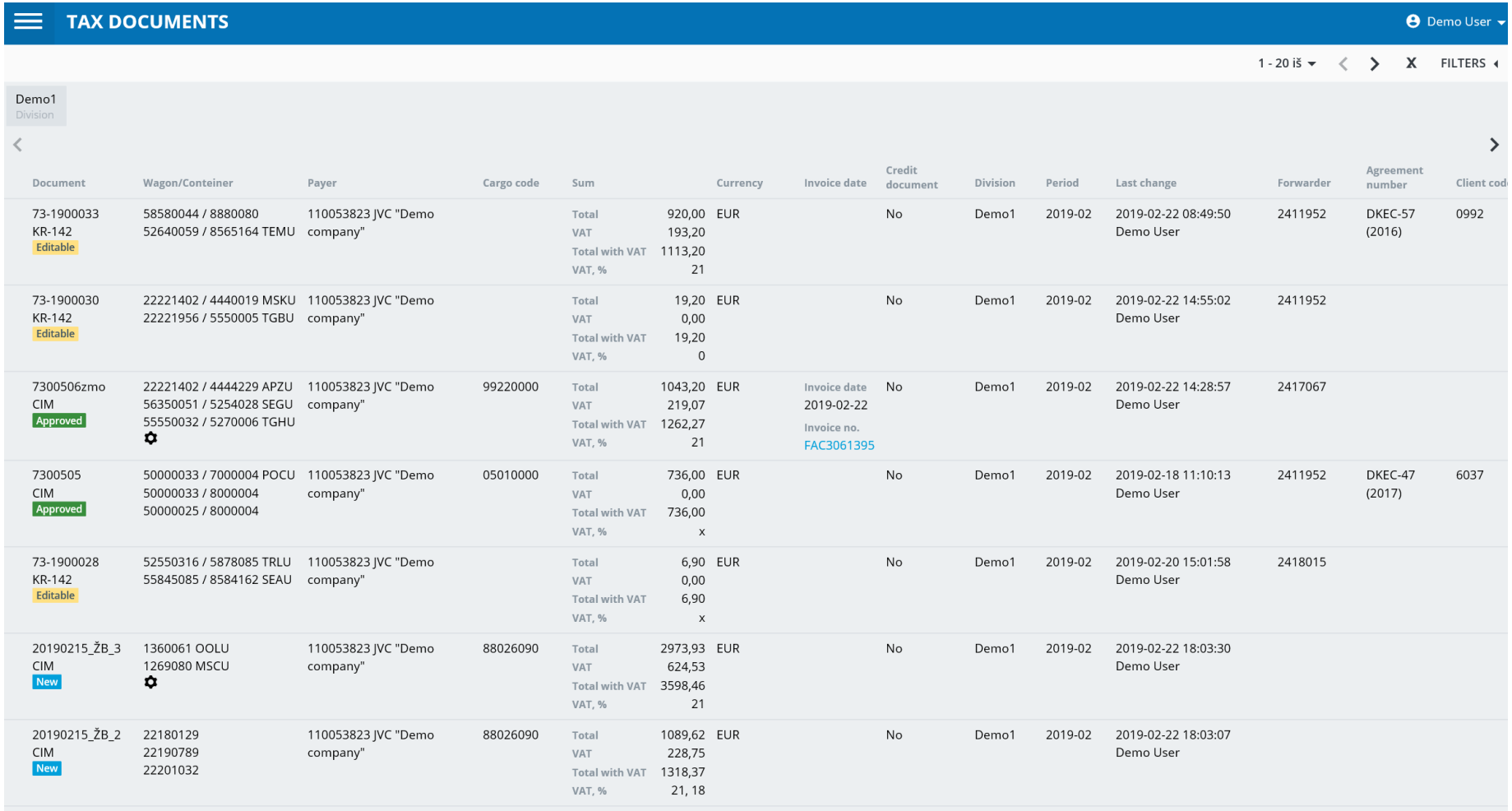
Actions with train



All actions with train are available from train object.

All data is shared between wagons and consignment notes – for example, as train moves through stations wagon dislocation changes.

Tax calculation

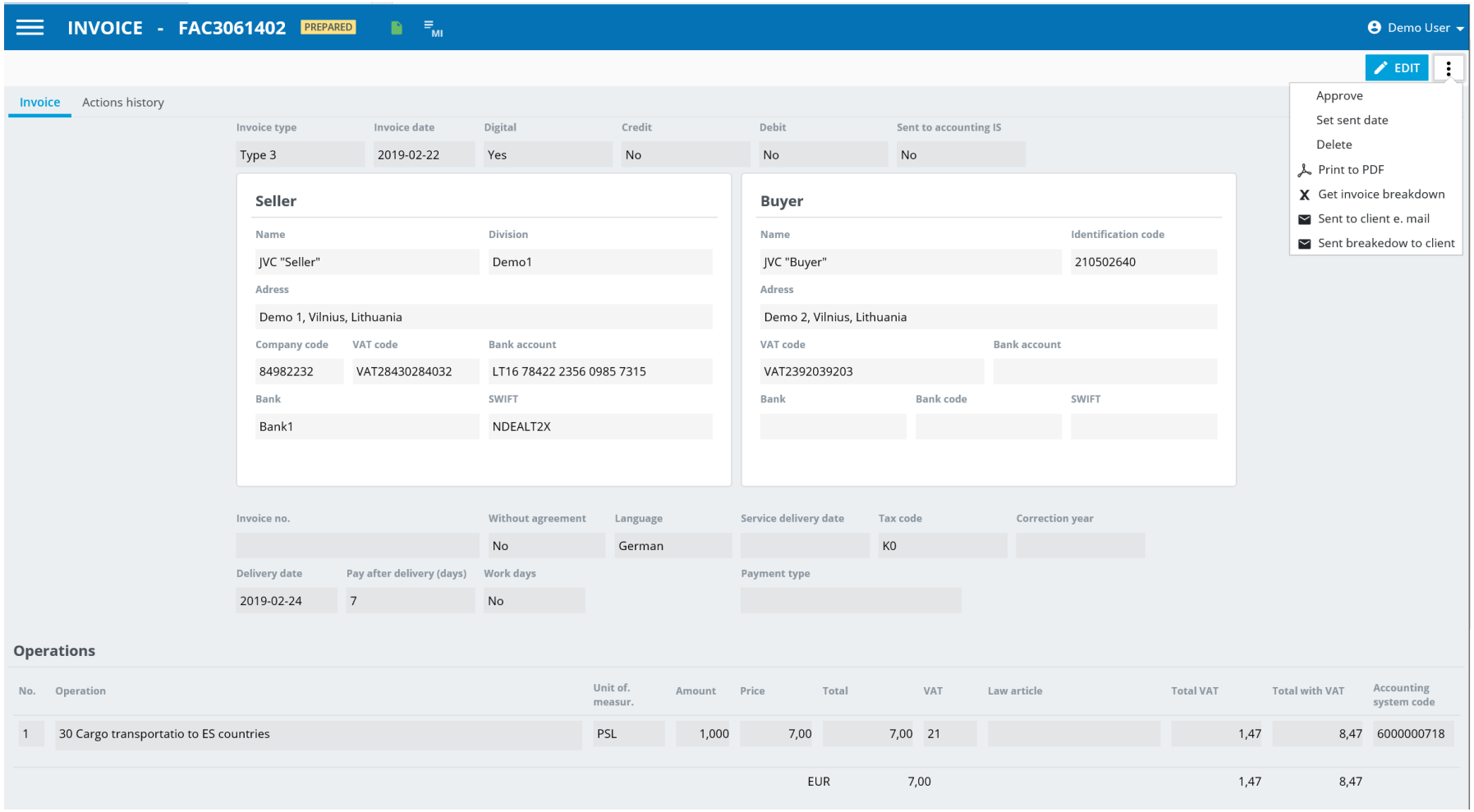


Document	Wagon/Conteiner	Payer	Cargo code	Sum		Currency	Invoice date	Credit document	Division	Period	Last change	Forwarder	Agreement number	Client cod
73-1900033 KR-142 Editable	58580044 / 8880080 52640059 / 8565164 TEMU	110053823 JVC "Demo company"		Total VAT Total with VAT VAT, %	920,00 193,20 1113,20 21	EUR		No	Demo1	2019-02	2019-02-22 08:49:50 Demo User	2411952	DKEC-57 (2016)	0992
73-1900030 KR-142 Editable	22221402 / 4440019 MSKU 22221956 / 5550005 TGBU	110053823 JVC "Demo company"		Total VAT Total with VAT VAT, %	19,20 0,00 19,20 0	EUR		No	Demo1	2019-02	2019-02-22 14:55:02 Demo User	2411952		
7300506zmo CIM Approved	22221402 / 4444229 APZU 56350051 / 5254028 SEGU 55550032 / 5270006 TGHU	110053823 JVC "Demo company"	99220000	Total VAT Total with VAT VAT, %	1043,20 219,07 1262,27 21	EUR	Invoice date 2019-02-22 Invoice no. FAC3061395	No	Demo1	2019-02	2019-02-22 14:28:57 Demo User	2417067		
7300505 CIM Approved	50000033 / 7000004 POCU 50000033 / 8000004 50000025 / 8000004	110053823 JVC "Demo company"	05010000	Total VAT Total with VAT VAT, %	736,00 0,00 736,00 x	EUR		No	Demo1	2019-02	2019-02-18 11:10:13 Demo User	2411952	DKEC-47 (2017)	6037
73-1900028 KR-142 Editable	52550316 / 5878085 TRLU 55845085 / 8584162 SEAU	110053823 JVC "Demo company"		Total VAT Total with VAT VAT, %	6,90 0,00 6,90 x	EUR		No	Demo1	2019-02	2019-02-20 15:01:58 Demo User	2418015		
20190215_ŽB_3 CIM New	1360061 OOLU 1269080 MSCU	110053823 JVC "Demo company"	88026090	Total VAT Total with VAT VAT, %	2973,93 624,53 3598,46 21	EUR		No	Demo1	2019-02	2019-02-22 18:03:30 Demo User			
20190215_ŽB_2 CIM New	22180129 22190789 22201032	110053823 JVC "Demo company"	88026090	Total VAT Total with VAT VAT, %	1089,62 228,75 1318,37 21, 18	EUR		No	Demo1	2019-02	2019-02-22 18:03:07 Demo User			

Taxes are calculated from documents (consignment notes, maneuvering, additional services documents)

Taxes can be calculated automatically or manually, in batch or one by one.

Invoices management



Invoices can be prepared for single tax document or group of them. All taxes are grouped, by operations.

Client or employee can get detail information in xls or csv formats.

Invoices can be send automatically to client or printing services.

Integration with accounting systems assures financial accuracy.

Cargo Rail – One coherent solution

Unified management

Process engine ensures coherent execution

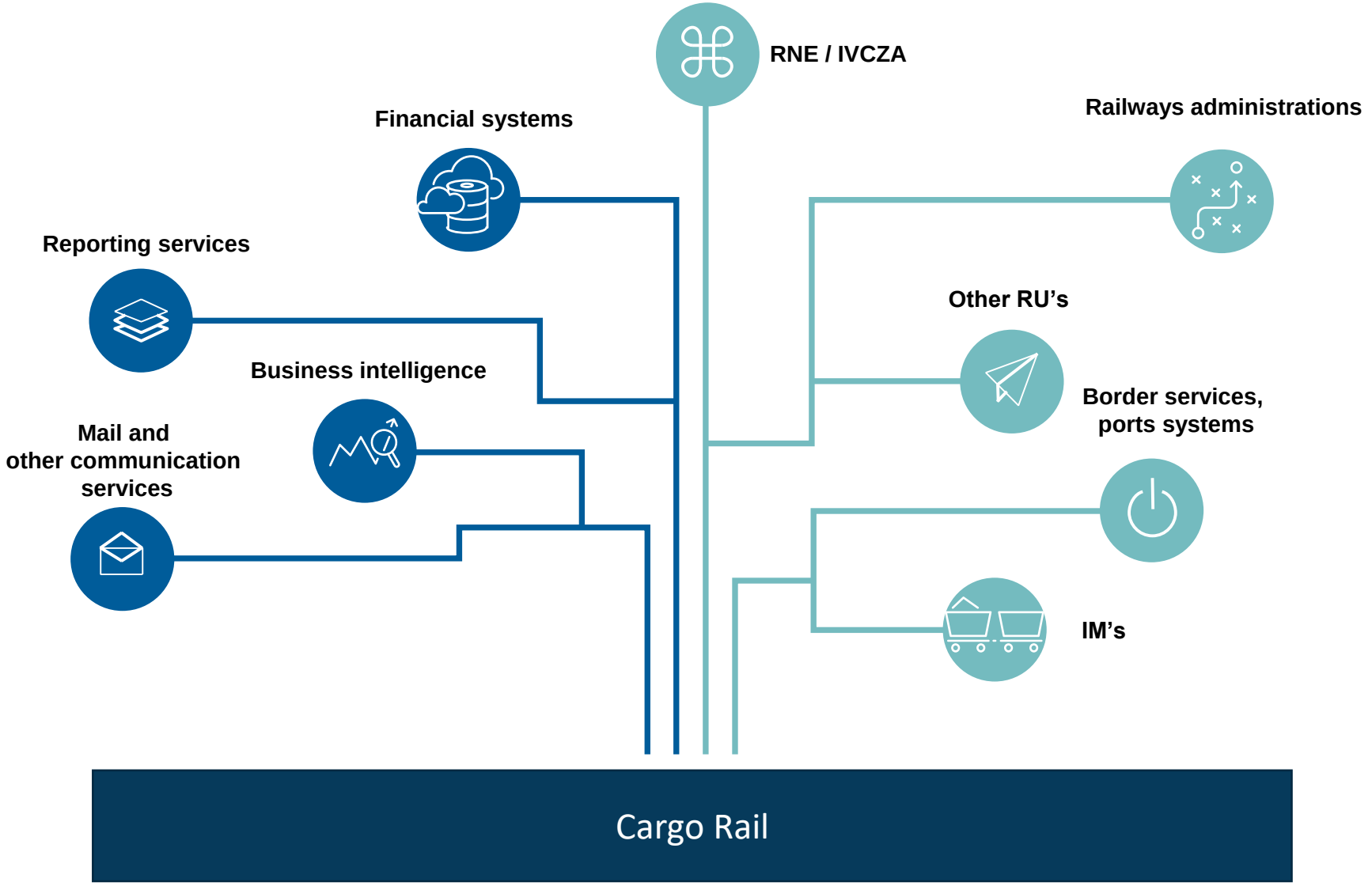
Different actions for different users

One data model

In next slides of presentation you'll see some sample solution windows. You could notice that for most part user enters only needed data, everything else fills automatically.

- CargoRail functionality lets:
  - Manage wagons in station and at clients site
  - Manage loading and unloading operations
  - Prepare consignment notes
  - Manage trains
  - Communicate with customs and other railways
  - Prepare other needed document and notes
  - Calculate taxes for operations and prepare invoice

Cargo Rail – ready for intelligent future



Cargo Rail - functionality

01

- Wagons at station management

+ *Loading*
+ *Unloading*
+ *Moving wagons*
+ *Inspections*
+ *Send to repair*
+ *Review wagon data*
+ *Transfer responsibility*
+ *Provide additional services*

02

- Trains management

+ *Create train*
+ *Depart it from station*
+ *Perform inspections*
+ *Transfer responsibility*
+ *Split train*
+ *Add or remove wagons from train*
+ *Mark arrival*
+ *Inform clients automatically*

03

- Documentation management

+ *Consignment notes*
+ *Declarations for customs*
+ *Notice for ports*
+ *Agreements*
+ *Additional services documents*
+ *Maneuvering documents*

04

- Secondary processes

+ *Wagons repairs*
+ *Company structure and shifts management*
+ *Nomenclatures and classification management*
+ *Declaration preparation*
+ *Integrations with different parties (TAF – TSI, NTCS, ports, customs etc.)*

05

- Billing

+ *Tariffs books management*
+ *Automatic or manual tax calculation from any source*
+ *Prepare invoice from calculated taxes (bulk or one by one)*
+ *Automatically send electronic invoices to clients*
+ *Import data to financial systems*

BlueBridge

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