D.T.M.S.

Datarail Track Maintenance Suit

DATARAIL TRACK
MAINTENANCE SUIT

Version 2.1

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Group of applications for Track Geometry Data
Processing and Maintenance Task Scheduling
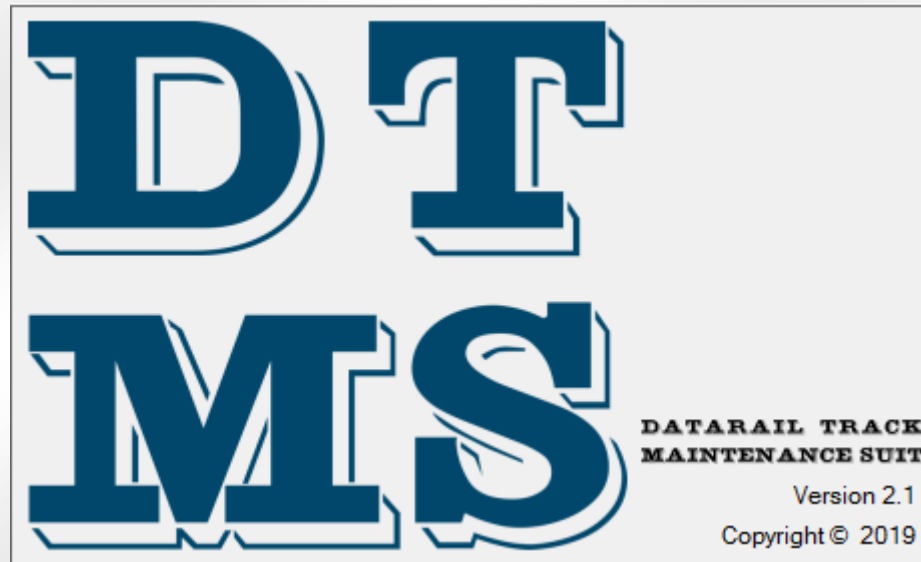
Overview

What DTMS is?

- **DTMS** stands for Datarail Track Maintenance Suit, which is a group of applications for Track Geometry Data Processing and Maintenance Task Scheduling, running under the same Graphical User Interface. Furthermore produces Quality Indexes according to EN13848-6.

Why DTMS?

- **All** track data in one database and one application
- **Easy** track rating
- **Quick** detect of weak spots
- **Priority** maintenance planning
- **Reliable** results
- Resource and staff **saving**
- **Improves** Track Quality

Details

Features

- Import of Track design data (if available)

- Import of Track data from recording vehicles (e.g. EM120) and tamping machines.

- Manual data input from on-site measurements
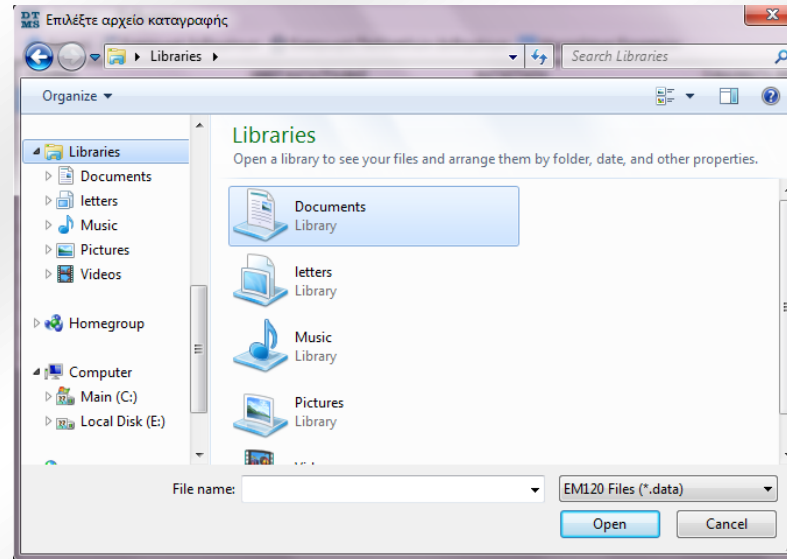
- Common database for all track sections

ΓΡΑΜΜΗ	ΗΜΕΡ.ΚΑΤΑΓΡΑΦΗΣ	ΚΑΤΑΣΤΑΣΗ	ΣΦΑΛΜΑΤΑ (ΜΕΤΡΑ)	ΑΠΟ-ΕΩΣ(ΧΛΜ)	ΣΥΝΟΛΟ ΧΛΜ	ΑΡΧΕΙΟ ΠΡΟΕΛΕΥΣΗΣ
SKA-AIRPORT	23/9/2015	E3	473	0 - 30,014	30,014	20150923_SKA-AIRPORT.data
ATH-THESS	8/6/2015	E3	17418	166,305 - 289,067	122,762	20150608_TITH-DOMR.data
DEMO_TRACK	9/11/2019	E3	473	0 - 30,014	30,014	20150923_SKA-AIRPORT.data
DEMO_TRACK	9/11/2018	E3	473	0 - 30,014	30,014	20150923_SKA-AIRPORT.data
DEMO_TRACK	9/11/2017	E3	473	0 - 30,014	30,014	20150923_SKA-AIRPORT.data
DEMO_TRACK1	9/11/2019	E3	473	0 - 30,014	30,014	20150923_SKA-AIRPORT.data
DEMO_TRACK1	9/11/2018	E3	473	0 - 30,014	30,014	20150923_SKA-AIRPORT.data
DEMO_TRACK1	9/11/2017	E3	473	0 - 30,014	30,014	20150923_SKA-AIRPORT.data
DEMO_TRACK2	9/11/2019	E3	473	0 - 30,014	30,014	20150923_SKA-AIRPORT.data
DEMO_TRACK2	9/11/2018	E3	473	0 - 30,014	30,014	20150923_SKA-AIRPORT.data
DEMO_TRACK2	9/11/2017	E3	473	0 - 30,014	30,014	20150923_SKA-AIRPORT.data

- Data analysis for individual sections and for the overall network

Σημεία

- ☑ Εύρος
- ☐ Μέσο Εύρος (100m)
- ☑ Μηκοτομή
- ☑ Υπερύψωση
- ☐ Μέση Υπερύψωση (40m)
- ☐ Οριζοντιογραφία
- ☐ Στρέβλωση

ΣΦΑΛΜΑΤΑ
Εύρος: 3 μέτρα
Υπερύψωση: 470 μέτρα
Μηκοτομή: 0 μέτρα

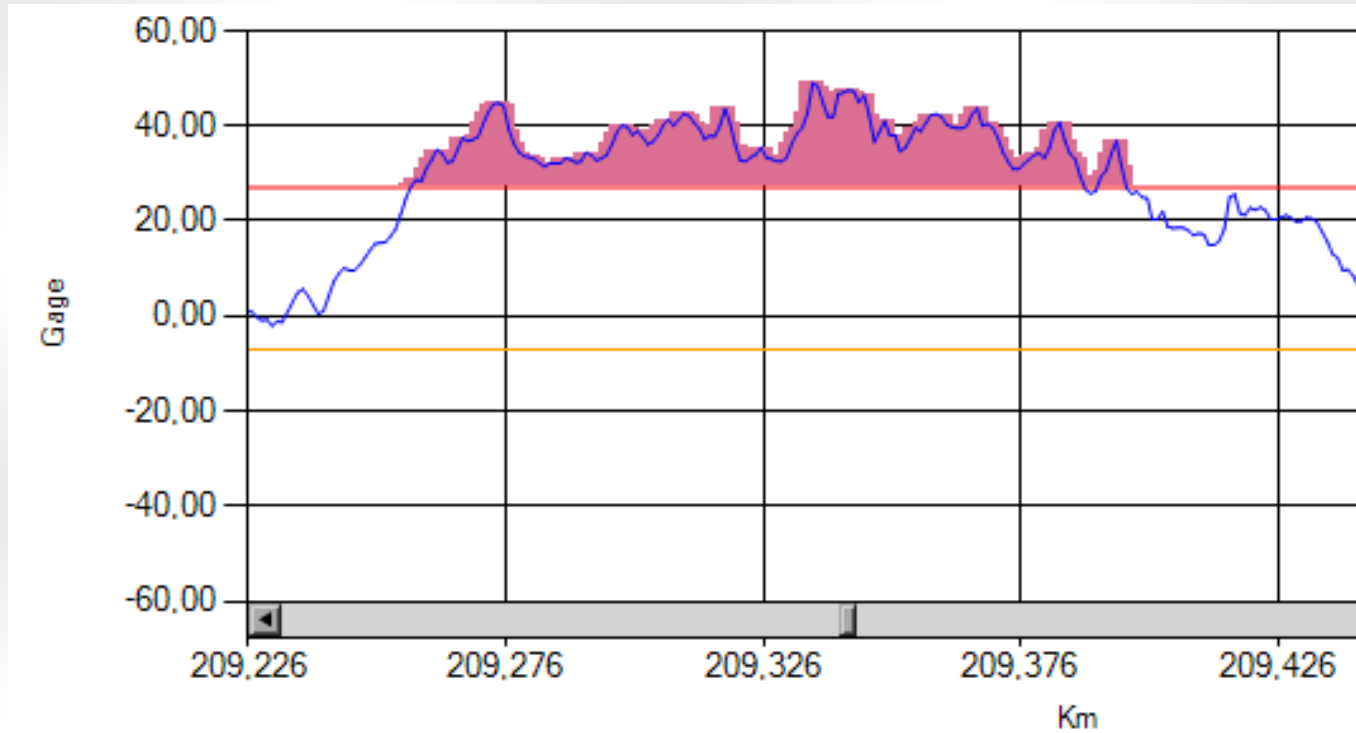ΧΡΟΝΟΣ ΑΠΟΚΑΤΑΣΤΑΣΗΣ
ΣΦΑΛΜΑΤΩΝ (Εκτός Σφαλμάτων Εύρους)

Καθαρός χρόνος εργασίας για αποκατάσταση: 235 λεπτά (03:55)

Πραγματικός χρόνος εργασίας (περιλαμβάνει μετακινήσεις από και προς τα σημεία εργασίας και χρόνο προετοιμασίας του μηχανήματος): 268 λεπτά (04:28)

- Full customization according to European and International standards and regulations

- Customization of specifications for available tamping machines

- Merge data from old and new measurements so that the last data appears in each line section

SETTING	E1	E2	E3
GAGE_MAX_T1	25	32	35
GAGE_MAX_T2	22	29	32
GAGE_MAX_T3	20	27	30
GAGE_MAX_T4	16	23	27
GAGE_MAX_T5	13	20	25
GAGE_MAX_T6	10	16	22

DT MS Ρυθμίσεις

Κανόνες Σφαλμάτων | Ρυθμίσεις Μηχανημάτων

Επεξεργασία   Επαναφορά Προεπιλογών

- Quick and easy detection of defects

- Risk Classification of defects

- Track Quality Indexes

- Data views in graphs and lists
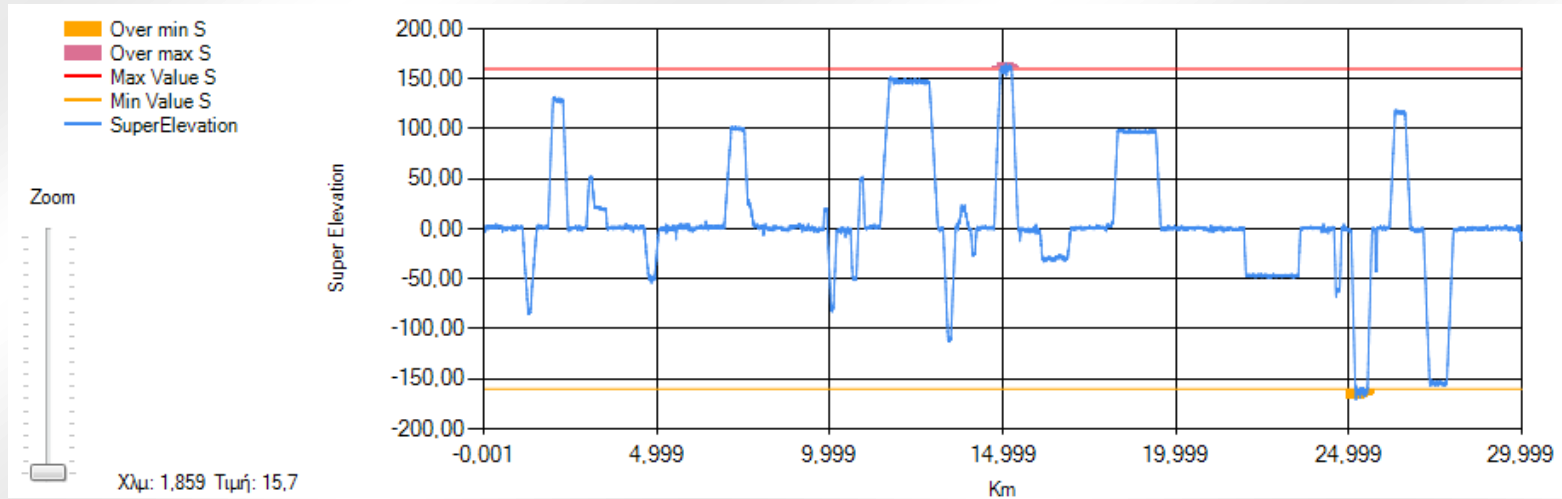
- Customized maintenance plans depending on, the risk of defects, duration of repairs, location and availability of tamping machines

- Customized reports defects and TQI

- Virtual correction of defects

- Geometry file creation to be used in Plasser & Theurer's tamping machines

- View defects and TQI on GIS map, with the correspond-
ing geometry values
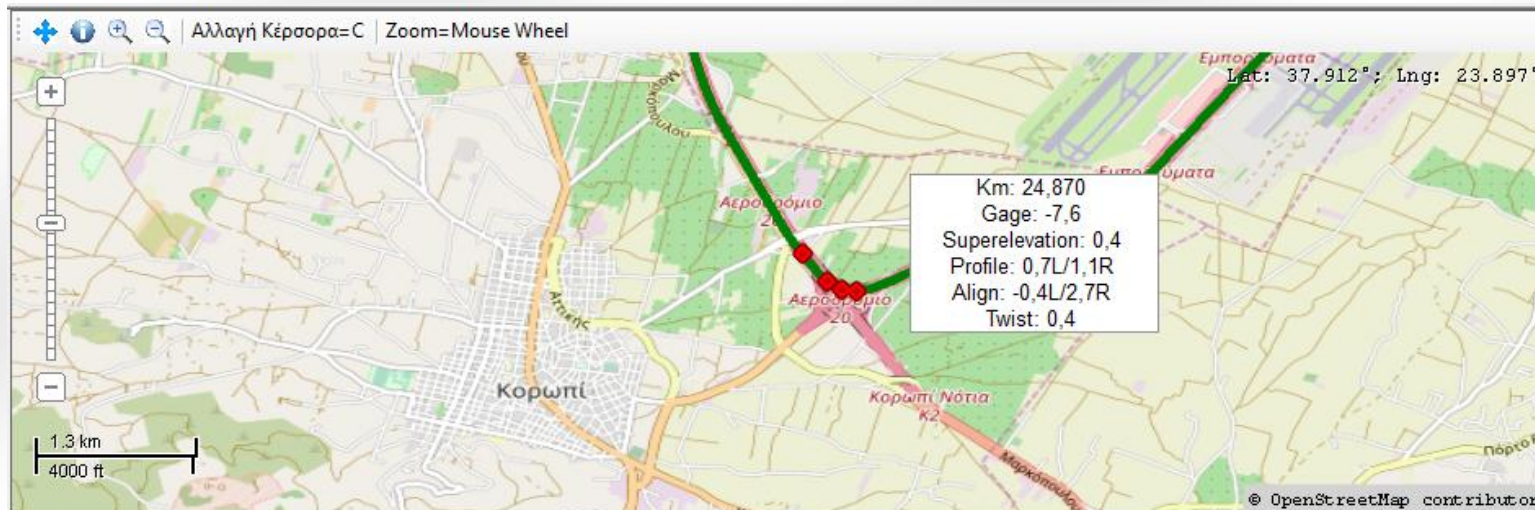
- Work calendar for assignments to available mainte-
nance machines and progress monitoring

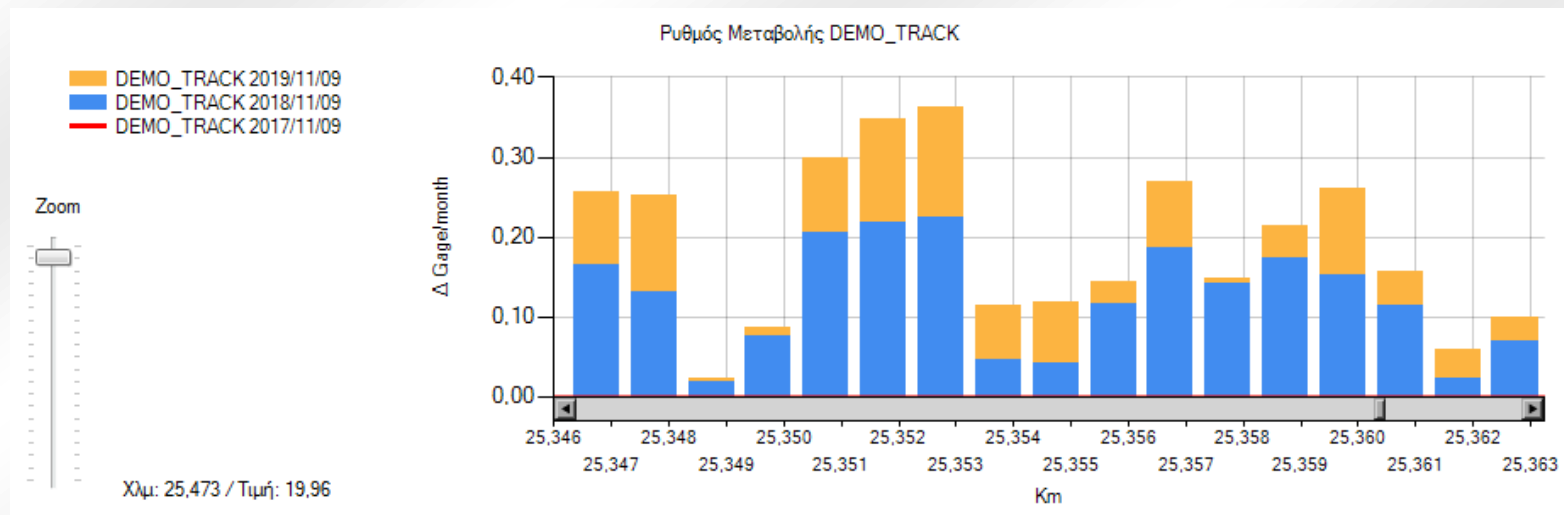- View the position and type of machines on GIS map
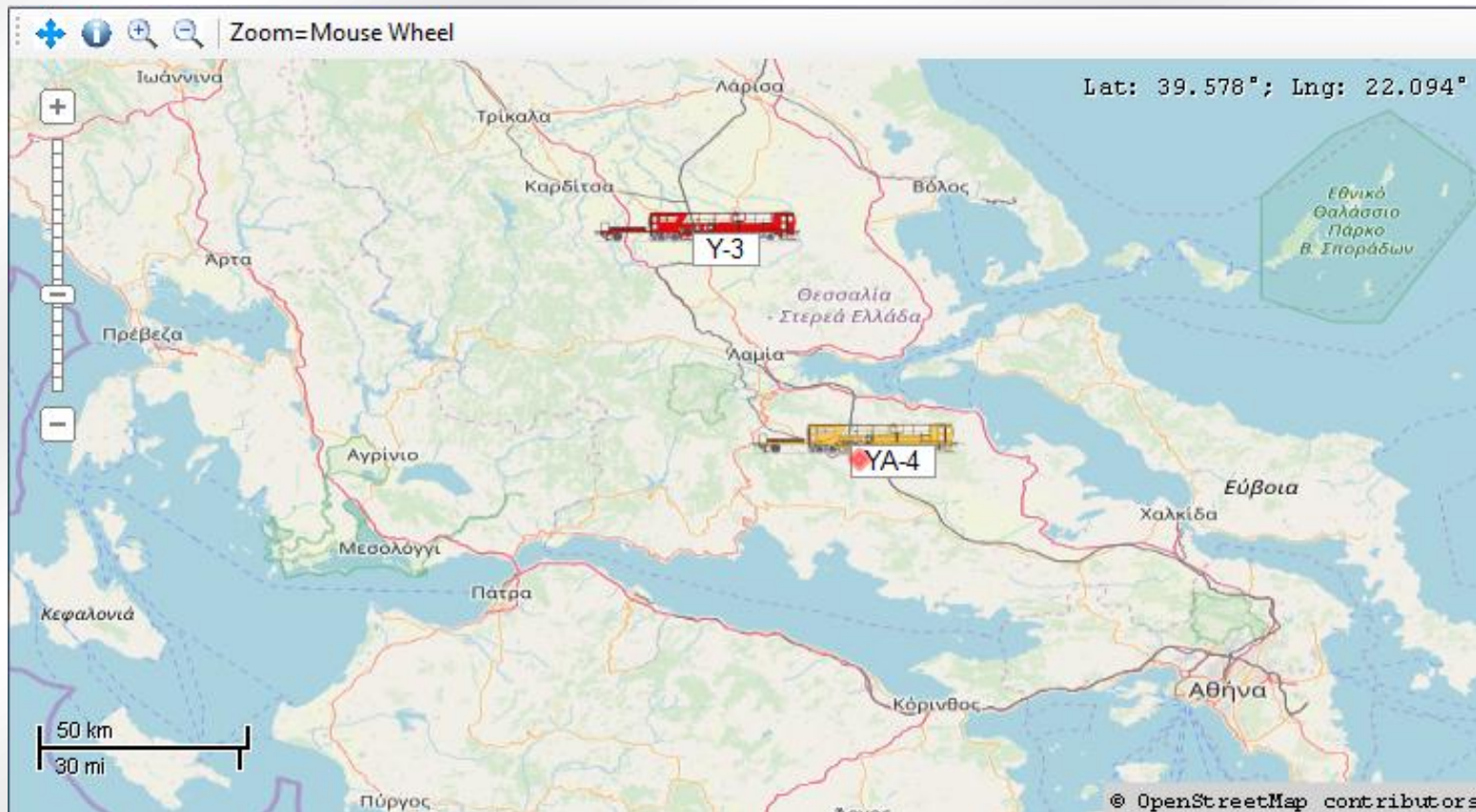
- Test tracks for defects at different applied speeds

- Graphs and comparison reports with selected historical measurements
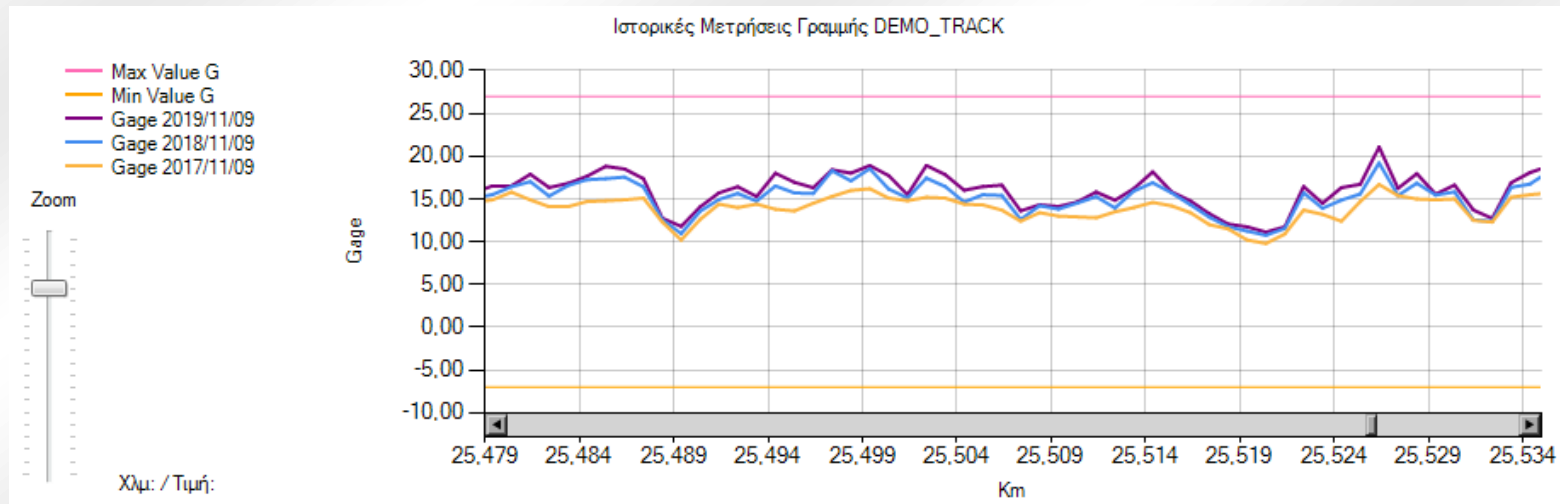
- Graphs and rate of change reports of geometry data in relation to time and statistical prediction of track status in the future

* All the above functions and features are not included in the basic version of the program

How it works

- DTMS application run under Windows 7 and later (32 and 64 bit) operating systems

- The database can be stored on a local pc or server or on a remote server

- It is fully customizable with the current standards and regulations and the capabilities of tamping machines

- Analyzes and evaluates data with smart algorithms

- Presents analysis and results in graphs and reports

Services provided by Datarail

If you want to avoid training your staff or want to get rid of the cost of purchasing this application, then Datarail with its trained staff, can undertake the analysis and management of your data, providing you with the maintenance plans and all the information you will need, whenever you need them and in any form, in order to proceed without delay in the repairs.