

# TRACKREPORT

TEST ANALYSIS & REPORT GENERATION SOFTWARE

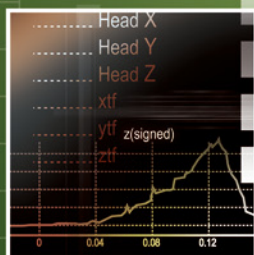
 ASAM Compliant

## REPORT GENERATION

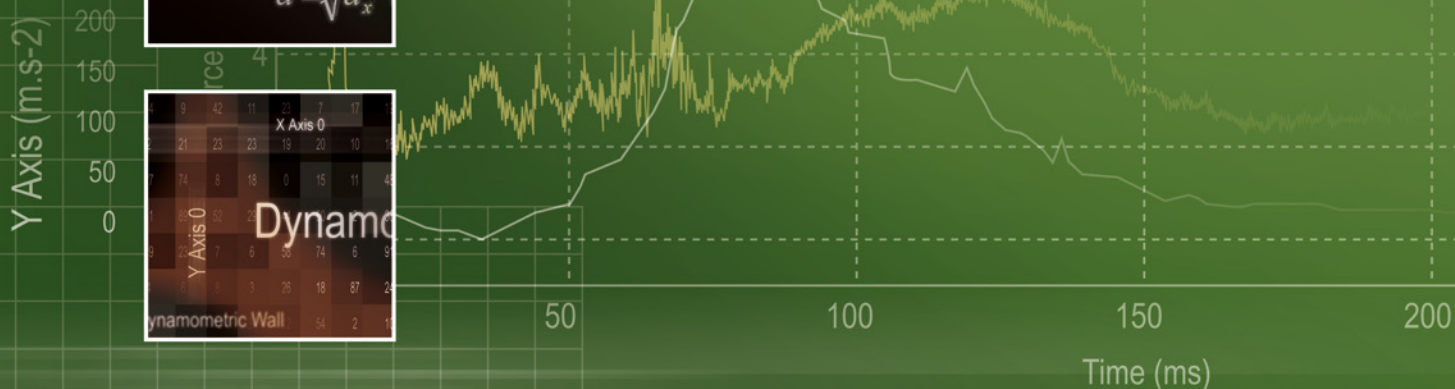
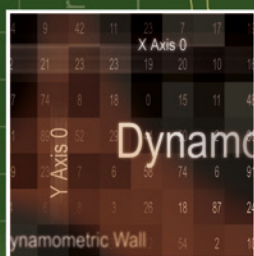
- Graphic design of test report templates
- Automatic channel assignment
- Curve and video synchronization
- Various exports (html, avi...)

## ALGORITHM DEVELOPMENT

- Standard & specific calculation libraries
- Automotive biomechanical criteria
- Acoustic library



$$a = \sqrt{a_x^2 + a_y^2 + a_z^2}$$
$$HIC = \sup_{t_1, t_2} \left\{ \frac{1}{t_2 - t_1} \int_{t_1}^{t_2} a^2 dt \right\}$$
$$a = \sqrt{a_x^2 + a_y^2 + a_z^2}$$

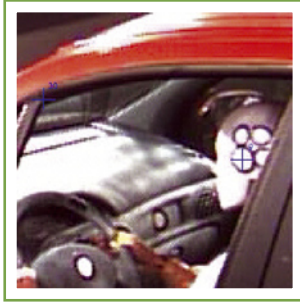


Head X  
Head Y  
Head Z  
xtf  
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**ORME**  
Signals & Images

# DATA ANALYSIS



TrackReport offers a full data visualization and analysis environment, where interactivity and automation help creating simulation or test reports. Configurable report templates handle data post-processing algorithms as well as the graphical setup. The development of these report templates is very intuitive and smooth, thanks to the various calculation libraries and a complete and dynamic graphical object suite: text areas, curves, tables, images, videos, color maps, bar charts, 3D-animations... The report templates thus enable the generation of an accurate data set analysis and the corresponding report.

Although being a standard and generic tool, TrackReport's architecture remains open, enabling the user to develop specific data import/export functions, or new calculation libraries. TrackReport is now widely used to analyze and compare test and simulations in various fields: automotive, aeronautics, space, cosmetics, energy, defense...

## EASY TO USE

*Graphical setup of test report templates  
Computer-aided algorithm development  
Automated unit management*

## INTERACTIVITY

*Interactive report templates through customized dialog boxes  
Cursors, animations...*

## AUTOMATION

*Automation of report edition tasks  
TrackReport control and interactivity with other applications*

## ANALYZE

*Superposition mode for data set comparison  
3D visualization, synchronizations, and animated exports*

## COMPATIBILITY

*Import of various data file formats  
ASAM-ODS database connection*

## OPENNESS

*Plug-in architecture for calculation and import/export functions  
Software development kit for new functions*

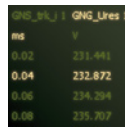
# MODULES

## TRACKREPORT STANDARD EDITION



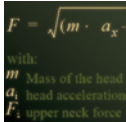
### Report template creation

- Graphical creation of test report templates
- Dynamic text areas, 2D-curves, bar charts, tables, color maps, images, videos, image sequences



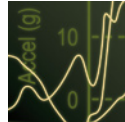
### Import of various data formats

- Standard formats
- ASCII files reader wizard
- Specific imports plug-in



### Calculation libraries

- Mathematics, statistics, interpolation...
- Dialog boxes definition
- Specific libraries plug-in



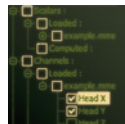
### Automatic report generation

- Interactive analyses
- Animations, cursors
- Data synchronization
- Data set comparison/superposition



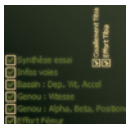
### Automated unit management

- Smooth unit recognition, conversion and management
- Automatic learning of new units



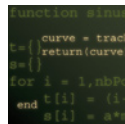
### Results and data exports

- Standard formats
- ASCII formats
- Specific exports plug-in



### Report export

- Animated HTML reports
- Image exports
- Print...



### User programming

- TrackL Language, Visual C++ SDK
- Tasks automation using Java Scripts



### ASAM-ODS Client Module

- ASAM-ODS database connection
- Data import/export
- Advanced search



### Crash-Tests Calculations Module

- CFC filters, biomechanical criteria (neck, head, chest, leg...)
- Restraint systems norms
- Regulation implementation



### 3D Module

- 3D graphical object
- VRML import / export
- Navigation and animations



### Acoustic Calculations Module

- A, B, C weighting, narrow-band, octave or third-octave conversion, OASPL, PNL, TC...
- Regulation implementation

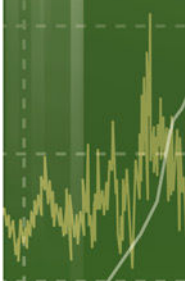
## SERVICES

- Report template writing
- Report template maintenances
- Specific calculation libraries development
- Specific import/export formats development

## TRAINING

- TrackReport standard use
- TrackL language development
- Java Script for TrackReport
- Visual C++ plug-in development

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200  
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Founded in 1996, ORME is your partner for the development of test analysis tools. To meet the increasing needs of the test field, on the one hand we develop a complete software product suite, and on the other hand we can offer custom-made software and hardware solutions, as well as test analysis service and consulting. We pay particular attention to keep a very close relationship with our customers, and remain attentive to their needs. Over twenty years of experience have enabled us to become a well-recognized and favored key contact of many key industrial companies.

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### FRANCE - MAIN OFFICE

21 rue du Village d'Entreprises - Bât 7 - 31670 Labège  
+33 5 61 00 25 70  
[www.orme.com](http://www.orme.com) - [info@orme.com](mailto:info@orme.com)

### AMERICAS - REPRESENTATIVE OFFICE

2 Bloor Street West - Suite 700, Toronto, ON M4W 3E2, Canada  
+1 647 917-1711  
[arnaud.seigne@orme.com](mailto:arnaud.seigne@orme.com)

### BENELUX - SPAIN - PORTUGAL

**IDT Europe bvba**  
Eekhoornstraat 22 - B-3920 Lommem, Belgium  
+32 11 551065  
[www.idteurope.eu](http://www.idteurope.eu) - [info@idteurope.eu](mailto:info@idteurope.eu)

### FINLAND

**CHEOS**  
Sinimäentie 8B - 02630 Espoo  
+358(0)20 1986464  
[www.cheos.fi](http://www.cheos.fi) - [sales@cheos.fi](mailto:sales@cheos.fi)

### INDIA

**Megatech Engineering & Services Pvt Ltd**  
A2/10 Tapovan, Dongre Park, Chembur, Mumbai 400074  
Phone: +91-22-2553 6023; 2553 4471; 2553 7579  
Fax: +91-22-2553 2317  
[sales@megatechengg.in](mailto:sales@megatechengg.in)

### ITALY

**HI-TEC**  
Via Agrigento 9 - Milano  
+39 02 3271914  
[www.hi-tec.it](http://www.hi-tec.it) - [hi-tec@hi-tec.it](mailto:hi-tec@hi-tec.it)

### JAPAN

**Marubun Corporation**  
8-1, Nihonbashi Odenmachi, Chuo-Ku, Tokyo 103-8577  
+81 3 3639 9881  
[www.marubun.co.jp](http://www.marubun.co.jp) - [takahiro\\_takahashi@marubun.co.jp](mailto:takahiro_takahashi@marubun.co.jp)

### KOREA

**JAT Co., Ltd.**  
#309 APEX CITY, 823 Dongtansunhwan-daero,  
Hwaseong-si, Gyeonggi-do, 18471  
Phone: +82 31 726 5033 - Fax: +82 31 726 5071  
[www.jatweb.co.kr](http://www.jatweb.co.kr) - [jat@jatweb.co.kr](mailto:jat@jatweb.co.kr)

### SOUTH AFRICA

**Horne Technologies cc**  
PO Box 536, Betty's Bay, 7141  
+27.76.127.3796  
[www.hornetechnologies.co.za](http://www.hornetechnologies.co.za) - [david@hornet.co.za](mailto:david@hornet.co.za)

### UK

**IDT (UK) Ltd**  
Eastway House - 7 Paynes Park - Hitchin - Herts - SG5 1EH  
+44 1462 621124  
[www.idtvision.co.uk](http://www.idtvision.co.uk) - [info@idtvision.co.uk](mailto:info@idtvision.co.uk)