



(<https://www.cargomeasurement.com/>)

## Cargo, Vehicle, and Mass Measurement Systems



## Press & PR

Below is some of the material which has been published in recent times and which relate to Autotrakker and our currently available new solution for measuring BreakBulk Cargo at port terminals for the terminal operators - CMS.

### 2015 Online Article



### BreakBulk Online

October 19, 2015 Europe (<http://www.breakbulk.com/category/europe/>): Antwerp Euro Terminals (<http://www.breakbulk.com/tag/antwerp-euro-terminals/>), Autotrakker (<http://www.breakbulk.com/tag/autotrakker/>), cargo scanning (<http://www.breakbulk.com/tag/cargo-scanning/>), HLI Rail & Rigging (<http://www.breakbulk.com/tag/hli-rail-rigging/>), project cargo (<http://www.breakbulk.com/tag/project-cargo/>)

### **Cargo Scanning System at Work in Antwerp**

Antwerp Euro Terminals is the first terminal operator to offer Autotrakker Ltd.'s Cargo Measuring System (CMS), a fixed laser scanning system.

Ports, EPCs, carriers and other logistics companies are starting to add laser scanning devices to their toolboxes to help collect and share cargo volume measurements. Typically the measurement tools are hand-held or affixed to a stationary object such as a building.

The technology has been available for some time, but its application in measuring cargo volume is in its infancy. Project cargo supply chains stand to benefit.

Railroads are particularly interested in technology to improve the accuracy of their cargo measurements, said Raul Ortega, with Houston-based HLI Rail & Rigging and representing the Railway Industrial Clearance Association, speaking on the sidelines at Breakbulk Americas.

At ports, it is critical that cubic measurements be accurate in order to expedite throughput, and to load vessels and rolling assets safely and efficiently. Billing is sometimes based on cubic measure as well.

Traditional, manual cargo measurement is fraught with difficulty. Incorrect measurements can lead to incorrect billing, disputes, accidents, inefficient stowage, customer dissatisfaction, loss of revenue, vessel or other delays, and escalation of costs.

Mike Buchanan, with UK-based Autotrakker Ltd., developer of the CMS solution, said the system is unique in that it is based on a "scanning bay," framed by multiple, expandable towers. The cargo can be driven into the bay, or the bay can be completely mobile and set up around the cargo. Eye-safe infrared scanners automatically measure dimensions then store the three-dimensional information to a database. The database may be linked to loading and costing systems, emailed to a client, or otherwise incorporated into terminal management. Total time to scan a roughly 60-foot object is two minutes, but the scanning time may be lengthened for enhanced accuracy.

Importantly, the CMS operates from -10 to +40 C, in heavy rain, and in conditions of ice and snow. It will measure ice and snow build-up, which also has implications for load management. Expediting the measurement process is a key advantage of laser scanning. Terminal operators, carriers, and others may be particularly interested in solutions like CMS that can be accessed, manipulated (to, for example, separate out items on a single trailer), and linked to other data management platforms. The potential to provide supply chain visibility to customers is strong, and according to Buchanan, could offer terminal operators, carriers and others a logistical and marketing edge.

AutoTrakker Profile  
(</userfiles/files/autotrakker-profile.pdf>)

Shipping and Marine Jan 2012  
(</userfiles/files/sm-antwerp-euroterminal.pdf>)

# Supporting operations

**Autotracker Ltd.** is a developer of specialist logistics systems, was founded in 2002 and is located within the UK Road Transport Laboratory complex. The management team have between them 120 years' experience of automotive systems, 20 years of automotive programming experience and extensive experience of training, testing, and supporting new systems throughout Europe.

The company's initial focus has been on the vehicle logistics industry where they are able to offer advanced computer management and control systems (**Auto'Man**). Autotracker has developed a reputation for innovation and continues to expand its portfolio in support of vehicle logistics operations. In gaining the confidence of some of Europe's foremost operators it has been instrumental in developing systems for:

## Automated laser based cargo dimension measuring - CMS

By design, CMS addresses the historical challenges of manual cargo measurement. CMS is designed to allow its users an automated solution using cutting-edge technology to simplify the process and deliver enhanced benefits to all parties involved. [www.cargomeasurement.com](http://www.cargomeasurement.com)

Autotracker believes that CMS is probably unique in its approach and the technology it uses to bring its users the following benefits:

- More efficient management and improved management information
- Accurate measurements equals less errors & increased service
- System does not rely upon personal skills for accuracy of measurement
- Guaranteed (instant) repeatability of measurements
- Backup capabilities with both digital images and optional photo stored in the database
- Opportunity to automatically link to an external automated sorting, accessing, customer service system being run by the user
- Improved customer relations - digital evidence - less disputes

**Damage inspection of new vehicles**  
It has also developed screen and intelligent mobile data solutions within industry standard bar code technology. Additionally it has developed a location systems capability built around

geopatial information and location technologies. It has used its considerable experience of global positioning systems (GPS) within its systems that can optionally provide the precise location of vehicles within an enclosed or temporary compound without the need to attach RFID tags. This has enabled the company to exploit many of the benefits of such technology without its associated expense. The software solutions with existing in-house vehicle management systems or may be operated on a standalone basis.

Autotracker's mobile data collection system is based upon industry standard mobile & hand held PCs, which have been chosen for their robustness in an industrial environment that is typical of a port or vehicle compound. This system also employs imaging technology for loading bay risk identification. The system may however be implemented on other compatible hardware platforms.



**AUTOTRAKKER**  
logistics support systems

01927 599111 (UK)  
Tel: (+44) 1344 753366  
[www.cargomeasurement.com](http://www.cargomeasurement.com)  
Crowthorne Enterprise Centre, 201 Wokingham Road,  
Crowthorne, Berkshire RG40 3NW, UK  
[www.autotracker.com](http://www.autotracker.com)

## Automated Break Bulk Measuring Solutions



**AUTOTRAKKER**  
logistics support systems

[www.cargomeasurement.com](http://www.cargomeasurement.com)  
email: [info@cargomeasurement.com](mailto:info@cargomeasurement.com)  
telephone (44) 1344 753366

ISSUE EIGHTH 2011

# SHIPPING & MARINE

THE MAGAZINE FOR MARITIME MANAGEMENT

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