Trailer and Cargo Container Tracking is the sixth consecutive report from Berg Insight analysing the latest developments on the trailer and cargo container tracking market worldwide.

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**Highlights from this report:**

- **Insights** from 30 new executive interviews with market leading companies.
- **Comprehensive overview** of the real-time cargo tracking value chain and key applications.
- **In-depth analysis** of market trends and key developments.
- **Summary** of major cargo tracking initiatives from the EU and the US.
- **Updated profiles** of 93 container tracking solution providers.
- **Detailed forecasts** by market vertical lasting until 2022.

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The installed base of active cargo tracking units has reached 3.7 million

Trailer and cargo container tracking is a subsegment of asset tracking and aims to increase operational efficiency and make logistics chains more secure. Berg Insight's definition of a real-time tracking solution is a system that incorporates data logging, satellite positioning and data communication to a backoffice application. Trailer tracking can be part of fleet management solutions including both trucks and trailers. The history of fleet management solutions goes back several decades while tracking and monitoring of shipping containers came in focus after 9/11. Today, mobile and satellite networks can provide ubiquitous online connectivity at a reasonable cost and mobile computing and sensor technology delivers high performance as well as excellent usability. All of these components combined enable the delivery of supply chain management, security management and operations management applications linking trailers, containers, cargo and enterprise IT systems.

In order to make freight transport efficient, products are packed into collective logistics units which can remain intact throughout the delivery chain. Smaller logistics units such as boxes and pallets are often grouped into larger units and loaded on trailers, semi-trailers, swap bodies, rail freight wagons, air freight unit load devices (ULDs) or intermodal shipping containers. These loading units can be applicable to one or more modes of transport. Trailers and semi-trailers are mostly used in road transport, swap bodies can be transferred between road and rail transport, rail freight wagons are used on railways, ULDs are used in air freight transport and shipping containers can be carried on several transport modes. More than 20 million intermodal containers and over 13 million trailers are in use worldwide.

Berg Insight estimates that shipments of remote tracking systems with cellular or satellite communication capabilities for cargo loading units including trailers, intermodal containers, rail freight wagons, air freight cargo containers, cargo boxes and pallets reached 0.9 million units worldwide in 2017. Growing at a compound annual growth rate of 20.9 percent, the shipments are expected to reach 2.4 million units in 2022. During the same period, the installed base of remote tracking systems is forecasted to grow at a compound annual growth rate of 19.6 percent from 3.7 million units at the end of 2017 to 8.9 million units by 2022. Trailer tracking is the largest market segment, estimated to account for 49.3 percent of the total installed base of tracking units deployed on trailers and cargo containers in 2017. Intermodal container tracking is the second largest segment with an estimated share of 32.9 percent of the total installed base at the end of 2017.

Berg Insight ranks ORBCOMM as the largest provider of tracking solutions for cargo loading units, having a significant installed base of trailers as well as containers. The company has in the past years been highly involved in M&A activity related to real-time asset tracking, including notable acquisitions such as Blue Tree Systems, Euroscan and WAM Technologies. The latter was involved as a subcontractor for the Maersk/AT&T project to roll out a system for real-time tracking of Maersk entire fleet of 270,000 refrigerated containers. The project is one of the largest cellular-based industrial IoT deployments of its kind. The North American trailer telematics market is dominated by ORBCOMM and SkyBitz which both have more than 300,000 active units, while Omnitracs, Spireon and I.D. Systems all have surpassed 100,000 units. The European trailer telematics market is considerably smaller. Idem Telematics is the leading player with 60,000 active units while other top Europe-based players include Schmitz Cargobull and Novacom with over 25,000 active trailer units each. Mecomo and Agheera, also based in Europe, are strong vendors in the adjacent swap body segment. Envotech and Numerex, based in Malaysia and the US respectively, have large installed bases on containers. Amsted Rail, Asto Telematics and Nexiot have all deployed thousands of tracking devices on rail freight wagons. Other significant players include Sensitech that has an installed base of over 200,000 units in the general cargo segment and OnAsset Intelligence which is active in the air freight cargo tracking market.

Berg Insight anticipates that there will be a strong focus on increased supply chain visibility and transport security in the coming years. Tracking of trailers, intermodal containers and rail freight wagons is increasingly common and technology advancements allow for ever-smaller logistics units such as individual pallets or cargo boxes to be tracked at a reasonable cost. General acceptance of remote tracking solutions will first be established in specific usage scenarios such as high-value, time-critical or refrigerated goods. Decreasing hardware costs, improved battery life and the emergence of LPWA technologies are expected to impact the market positively and foster wide-spread adoption of cargo tracking solutions in the coming years.

This report answers the following questions:

- Which are the leading providers of trailer and cargo container tracking solutions?
- What offering are available from device vendors and service providers?
- What impact will international regulations and security initiatives have on the market?
- What are the key drivers behind the adoption of cargo tracking devices?
- What are the recent merger and acquisition activities on this market?
- What impact will technology advancements have on the market?
- How will the cargo telematics industry evolve in the future?
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4.2 Agheera

4.3 Arvien

4.4 Asto Telematics

4.5 Bosch

4.6 CargoGuard

4.7 CSB Technologies

4.8 DHL

4.9 EPSa

4.10 Globe Tracker

4.11 Hirschmann Car Communication (TE Connectivity)

4.12 Idem Telematics

4.13 Identic Solutions

4.14 Kirsen Global Security

4.15 Kizy Tracking

4.16 KPN

4.17 Loksys Solutions

4.18 Macnill (Zucchetti Group)

4.19 Maersk Line

4.20 Masternaut

4.21 Mecomo

4.22 Nexiot

4.23 Novacom

4.24 Ovinto

4.25 RM2

4.26 SAVVY Telematic Systems

4.27 Schmitz Cargobull

4.28 SecureSystem

4.29 SucciorgishM2M

4.30 Syccada

4.31 Transics (WABCO)

4.32 TRAXENS

4.33 Trusted

4.34 Ubidata

4.35 Yellowfish (Fleetmonitor)

4.36 Zenatek

5 North American solution providers

5.1 7PSolutions

5.2 Amsted Rail

5.3 AT&T

5.4 Ayantra

5.5 BlackBerry

5.6 BSM Technologies

5.7 CalAmp

5.8 DeWalt

5.9 Digi International

5.10 Digital Communications Technologies

5.11 e2e Logistics Consulting

5.12 Emerson

5.13 Fleet Complete

5.14 Fleetilta

5.15 Geoforce

5.16 Globalstar

5.17 Hi-G-Tek

5.18 Honeywell Global Tracking

5.19 I.D. Systems

5.20 Intelyt

5.21 Numerex (Sierra Wireless)

5.22 Omnitrac

5.23 OnAsset Intelligence

5.24 ORBCOMM

5.25 PalletTech

5.26 Powers International

5.27 Purfresh

5.28 Quake Global

5.29 Rombeee

5.30 RSAFE Labs

5.31 Samsara

5.32 Savi Technology

5.33 Sendum Wireless

5.34 Sensitech

5.35 SkyBitz (Telular)

5.36 Spreon

5.37 T24 Defence

5.38 Teletrac Navman

5.39 TGI

5.40 Trimble

5.41 Wireless Links

5.42 Zest Labs (Ecoark)

6 Rest of World solution providers

6.1 Arknav

6.2 CartaSense

6.3 Contguard

6.4 Ctrack (Inseego)

6.5 Elieron

6.6 Envotech

6.7 Globaltrack

6.8 Logimino Logistic Innovation

6.9 Pointer Telocation

6.10 Queclink Wireless Solutions

6.11 Satlock

6.12 Starcom Systems

6.13 Swinns

6.14 Tracertrak (Pivotel)

6.15 ZIM

Glossary
### About the Authors

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