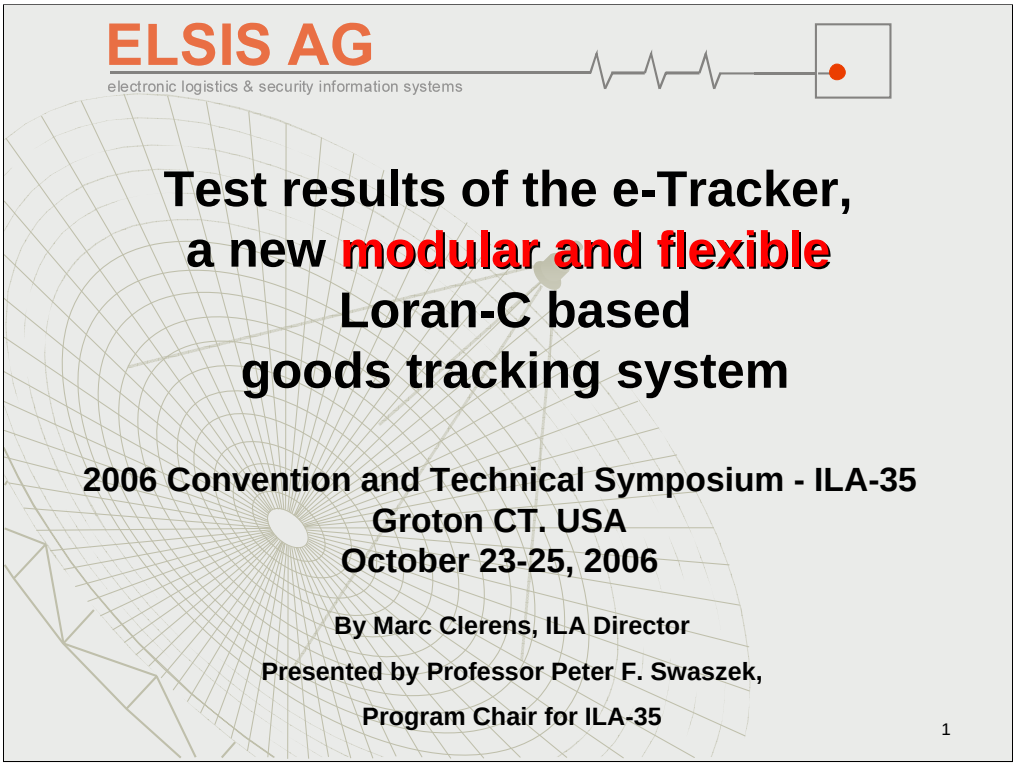
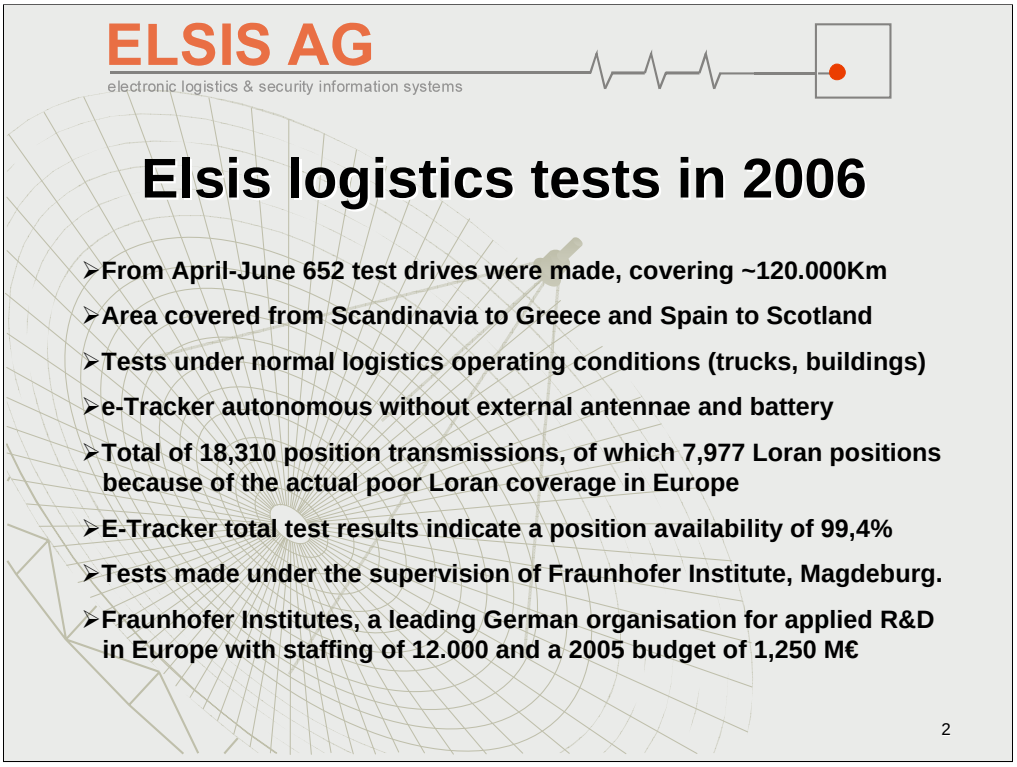


I am presenting today on behalf of Marc, President of the Supervisory Board of ELSIS AG and ILA Director, who was prevented to join for family reasons



Here are the main facts and figures of the tests.

All positions were obtained with the e-Tracker having its concealed antennae and partially located inside containers and buildings

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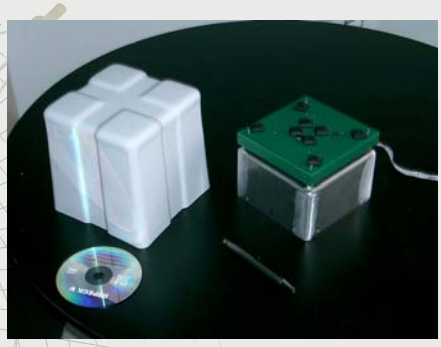
e-Tracker 1. Generation

- Reelektronika Loradd
- Loran H-Field antenna
- GPS Receiver (Sirf III)
- GSM-module
- Batteries
- 1 position/hour transmitted
- Dimensions: 18x18x19cm
- Weight: ~4 Kg



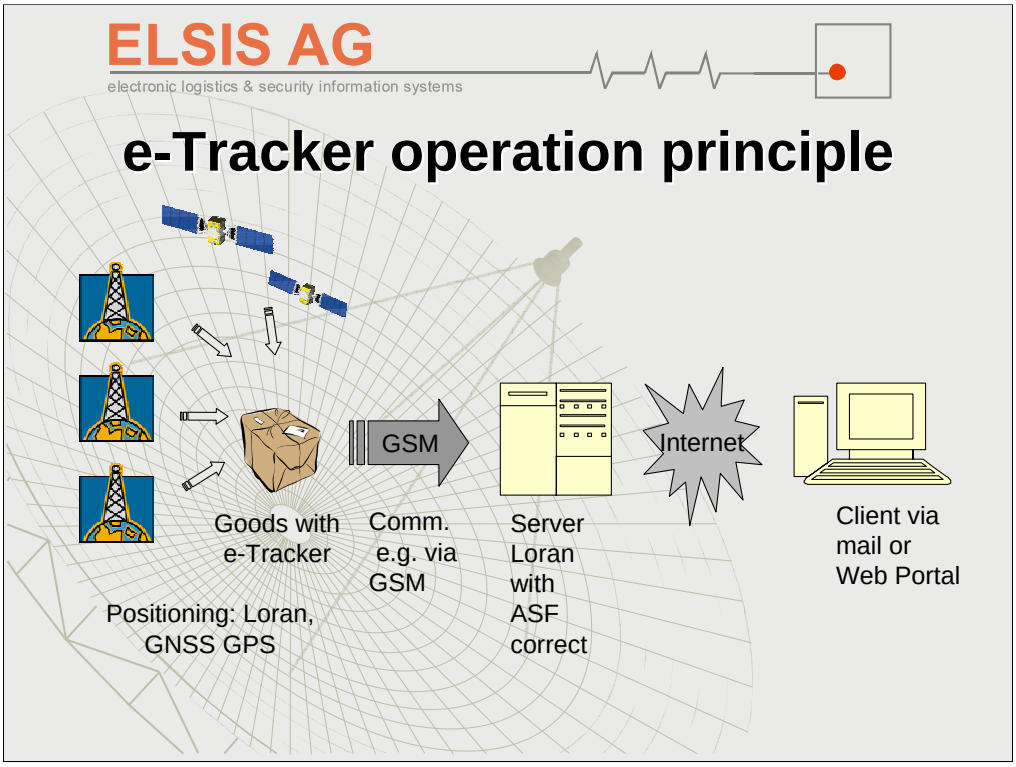
e-Tracker 1. Generation

The 1. Generation e-Tracker is equipped with a Loradd receiver of Reelektronika.

The weight is mainly caused by the batteries required for the high power consumption of the test set up.

Long operating times without excessive battery weight can be achieved only with power consumption optimised equipment.

Logistics requires a minimum of 18 months but, depending on the frequency of the data transmissions, up to 5 years is possible with the new generation



Principle of collecting position data by Loran, GPS and GSM.

Raw data, received by the e-Tracker, is transmitted per GPRS (fall-back SMS) to the server, where the position computing is done with all available methods (also ASF correction for Loran).

The client can access its information according to his requirements. Direct interface with the SCEM is possible.

Possibility to inform client when transport delays occur optional.

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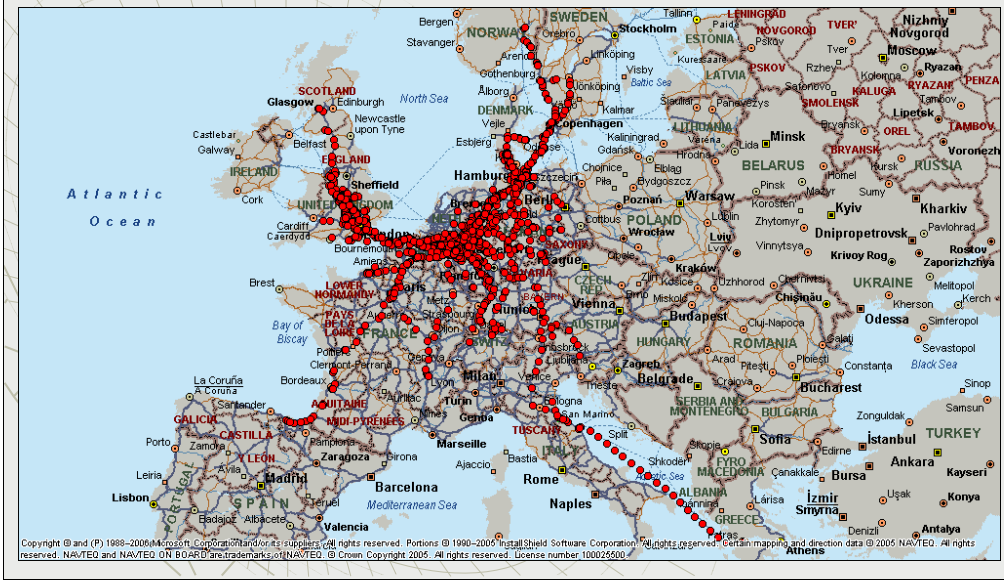
Overview of all systems position test results



This map shows the total received positions **with all navigation systems** of the e-Tracker (Loran, GPS & GSM)

Between Italy and Greece, w/o Loran coverage, all the positions were received by the other navigation systems. The e-Tracker was installed inside a container, who in turn was parked together with the truck inside the ferry.

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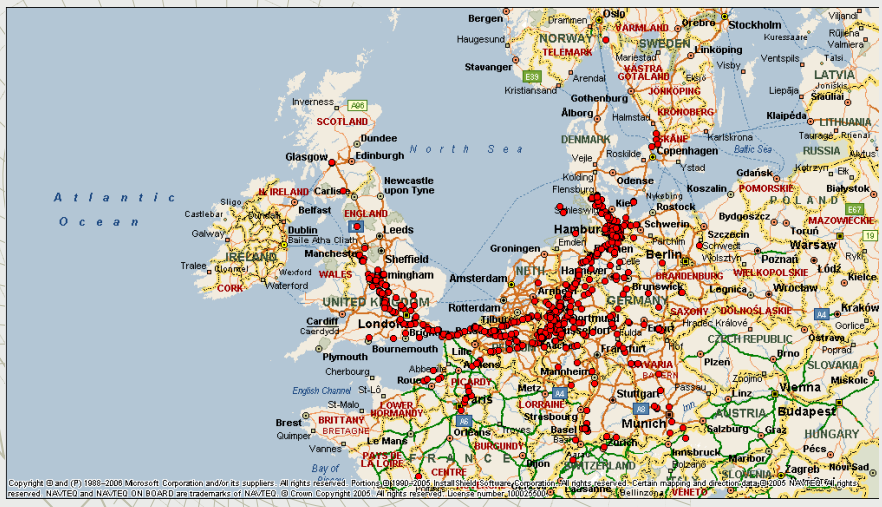
Overview of all Loran positions only



This map shows the Loran positions only.

The poor Loran coverage is obvious. The vicinity of the Sylt station produces a few, error positions (several km) in northern Germany.

Loran positions obtained with good Loran coverage provide sufficient precision for logistics applications. Position accuracy is no prime concern for logistics (requirement < 1Km)= Sufficient for SCEM (Supply Chain Event Management)

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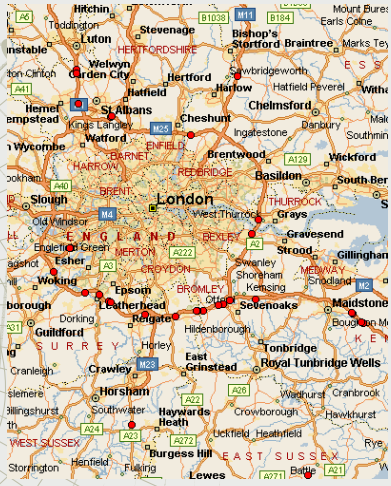
Positions in LONDON area

e-Tracker all systems

e-Tracker only LORAN



The above 2 maps show that, with good coverage, Loran delivers sufficient positions, even with the concealed antennae and in most difficult environmental conditions (inside containers, in buildings, etc.)

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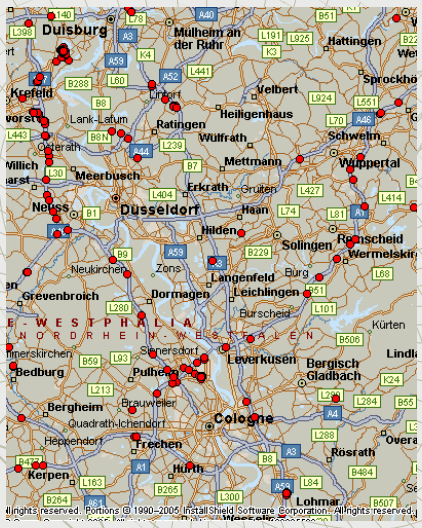
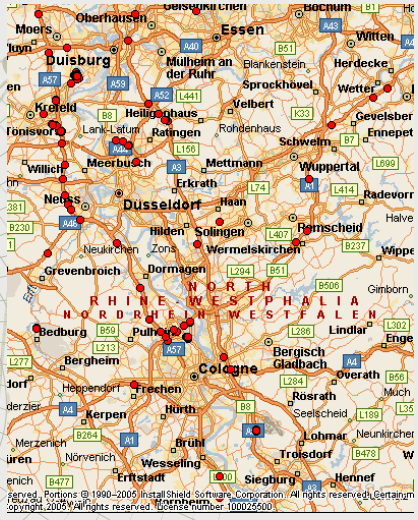
e-Tracker positions Cologne area

e-Tracker all systems



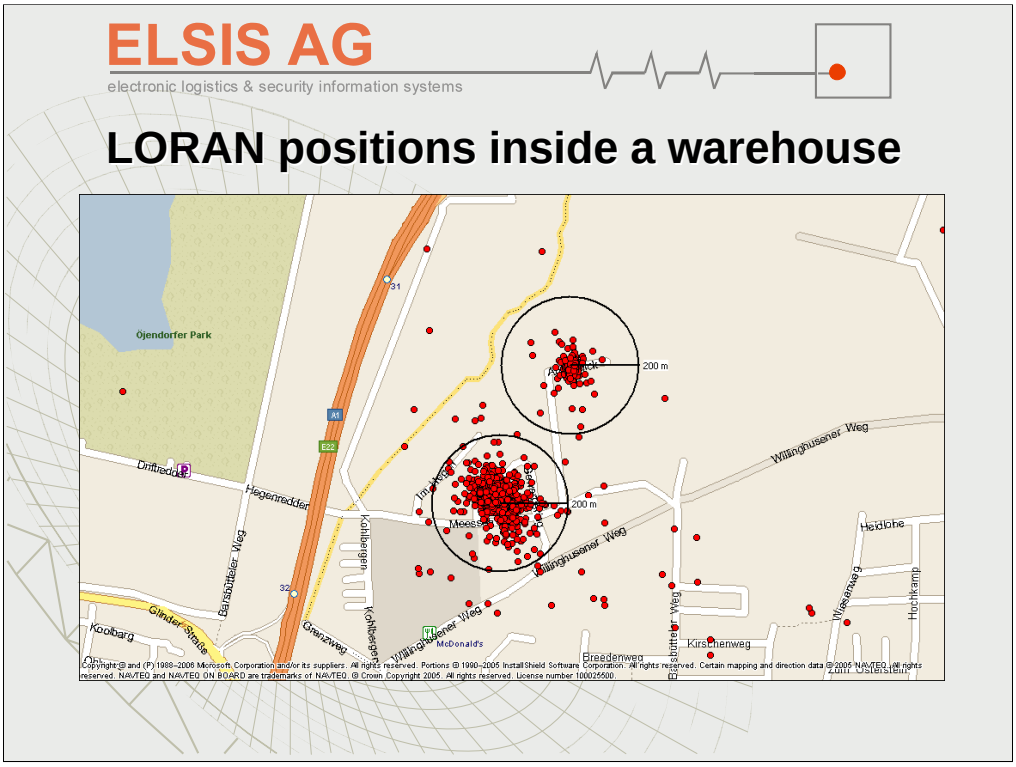
e-Tracker only Loran



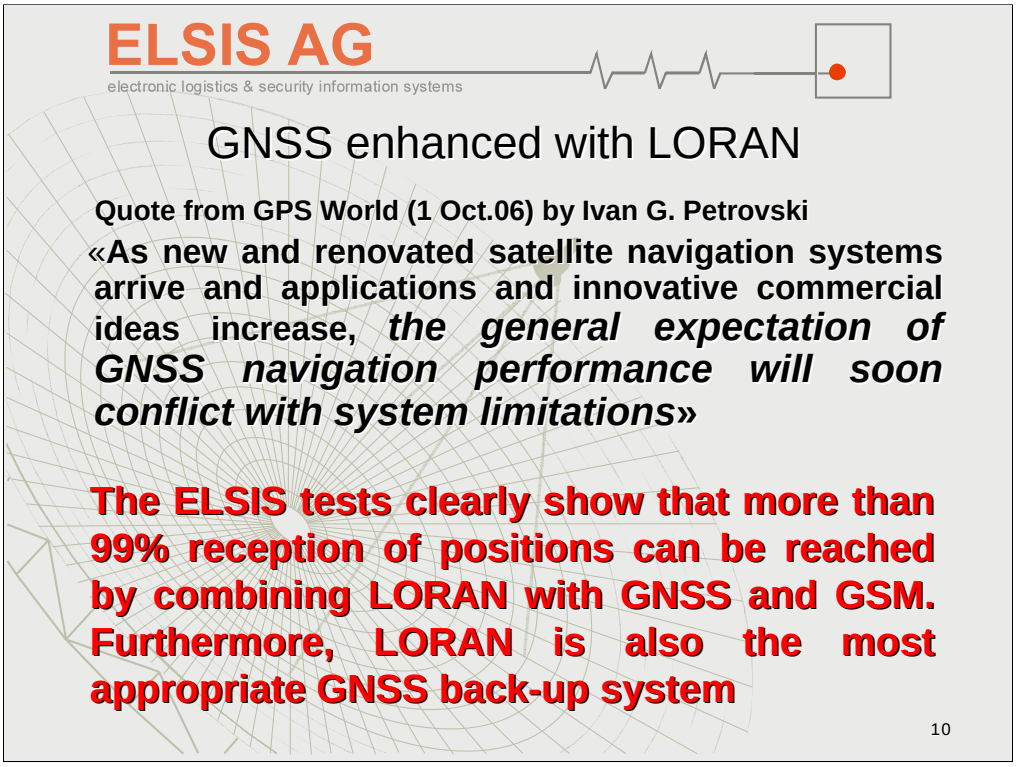
You will note that with good Loran coverage our e-Tracker can fully deliver all requirements logistics, with Loran signals only.

Consequently, Loran is the ideal back-up system for goods tracking in case GNSS dysfunction occurs

(e.g. because jamming: intentional or not)



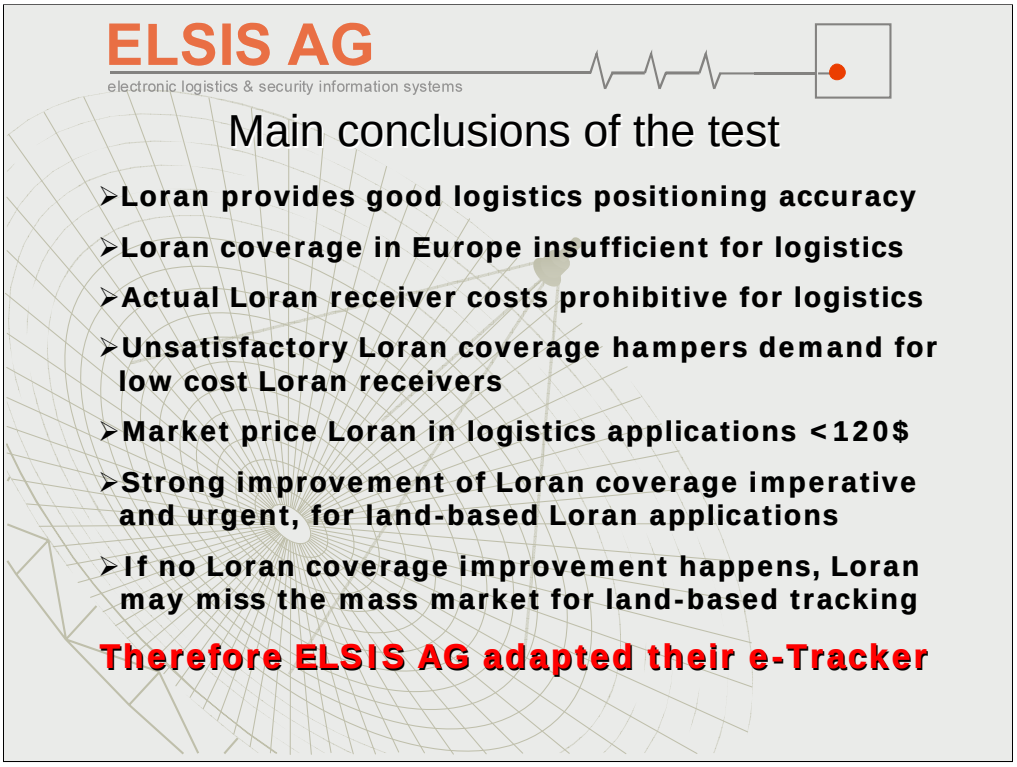
Within a circle of 200 meters one can see that the Loran positions are more than sufficiently accurate for logistics applications.



« GNSS is rapidly penetrating mass markets. General users expect the same availability and ease of use as, for example, a radio.
The same performance will be expected from GNSS navigation, i.e. to get their position everywhere »

Ivan G. Petrovski

Director of the Institute of Advanced Satellite Positioning Technology at the Tokyo University of Marine Science and Technology, and head of R&D and a member of the board of directors for GNSS Technologies Inc., Japan. Formerly a research fellow for the Japanese Science and Technology Agency's national Aerospace Laboratory and a consultant for Apollo Aerospace Inc. in the United States. EAB (GPS Advisory Board) member since 2004.



The results are in conformity with our expectations, even surpass them, but the poor Loran coverage in Europe is a real handicap.

If during the coming years no proper Loran coverage is achieved, the possibility for land based navigation might disappear, at least for mass markets. Only security niche markets may remain

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e-Tracker Basic Unit

Consisting of:

- GNSS Receiver (Supersense)
- 2 GNSS antennae (omnidirect.)
- GSM-module
- Batteries (up to 5 years)
- Monitoring of battery status
- Tracing with low power
- Aviation mode (switch-off)
- Dimensions: 115x115x34 mm
- Weight: 450 grams

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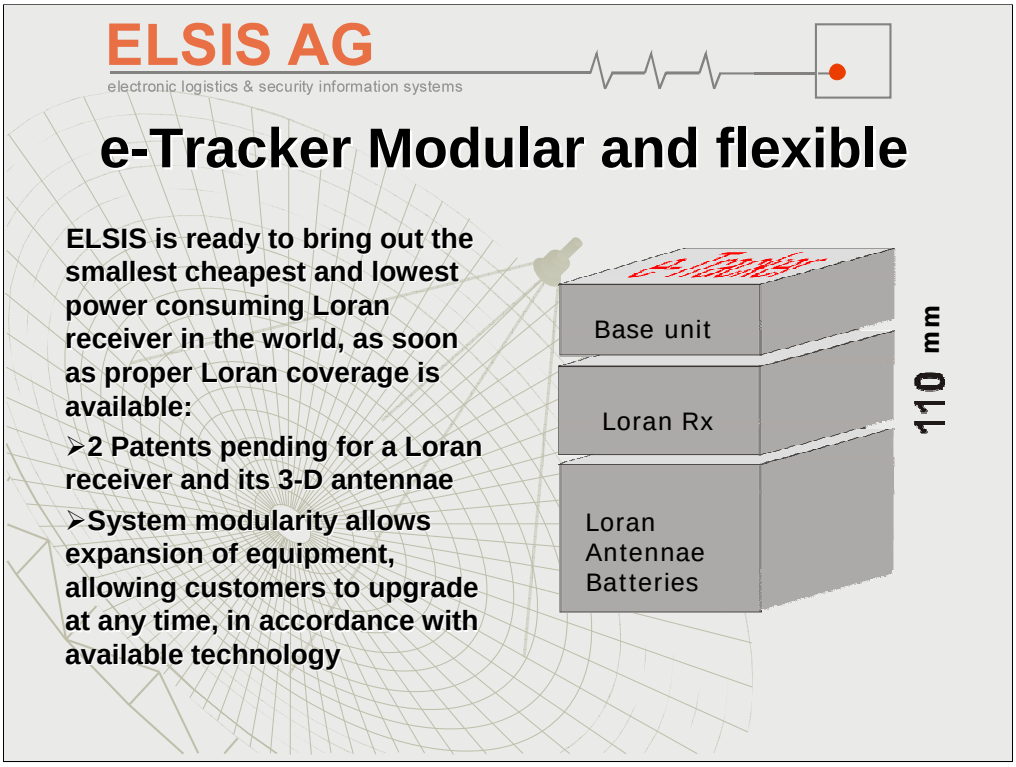
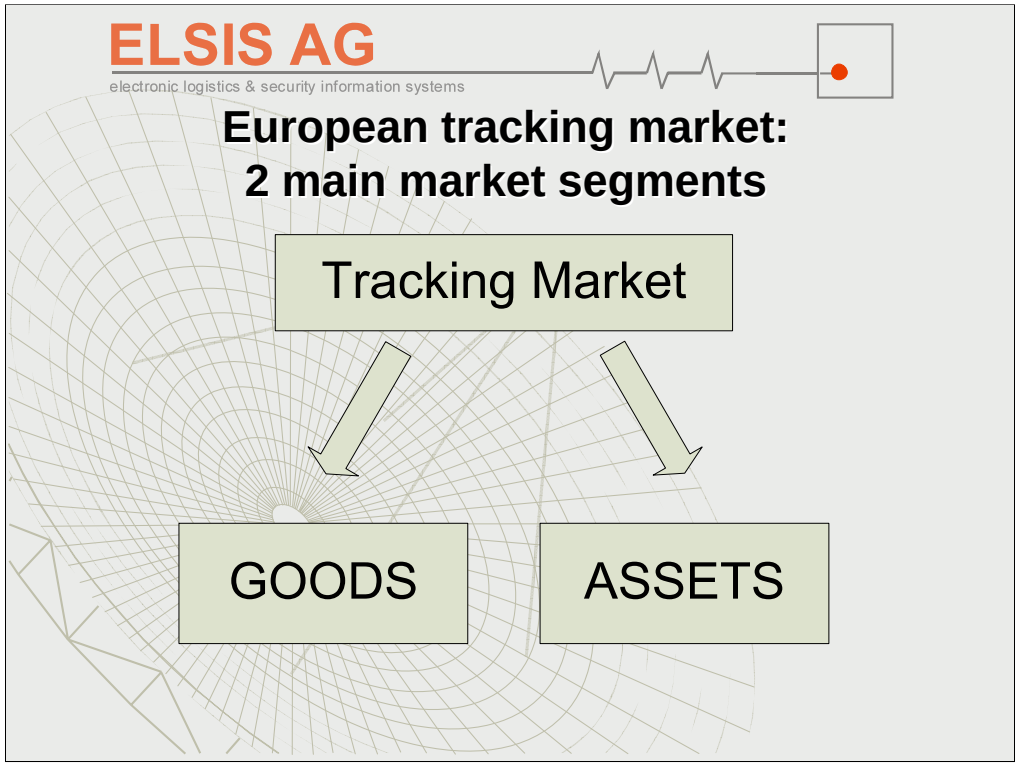
The small size of the basic e-Tracker allows easy dispatch, even by normal mail.
All components used allow all transport modes (no dangerous components)



ELSIS has done their home work and can bring out on relatively short notice the required Loran module for mass market application.

The picture shows a Loran set-up w/o high integration, as applicable for the limited security market segment.

For mass-market applications the dimensions will be much smaller.



Our investigations indicate that the two main European market segments are GOODS and ASSETS

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GOODS Tracking

WHAT?

- Pallets
- Parcels
- Art works
- Collection items
- Dangerous goods…

WHY?

- Theft
- Just in Time (JIT)
- Temperature
- Acceleration …

The variety of goods is very large, but here are a few examples.

Also the main reasons for wanting to track are indicated but many other reasons may prevail

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ASSETS Tracking

WHAT?

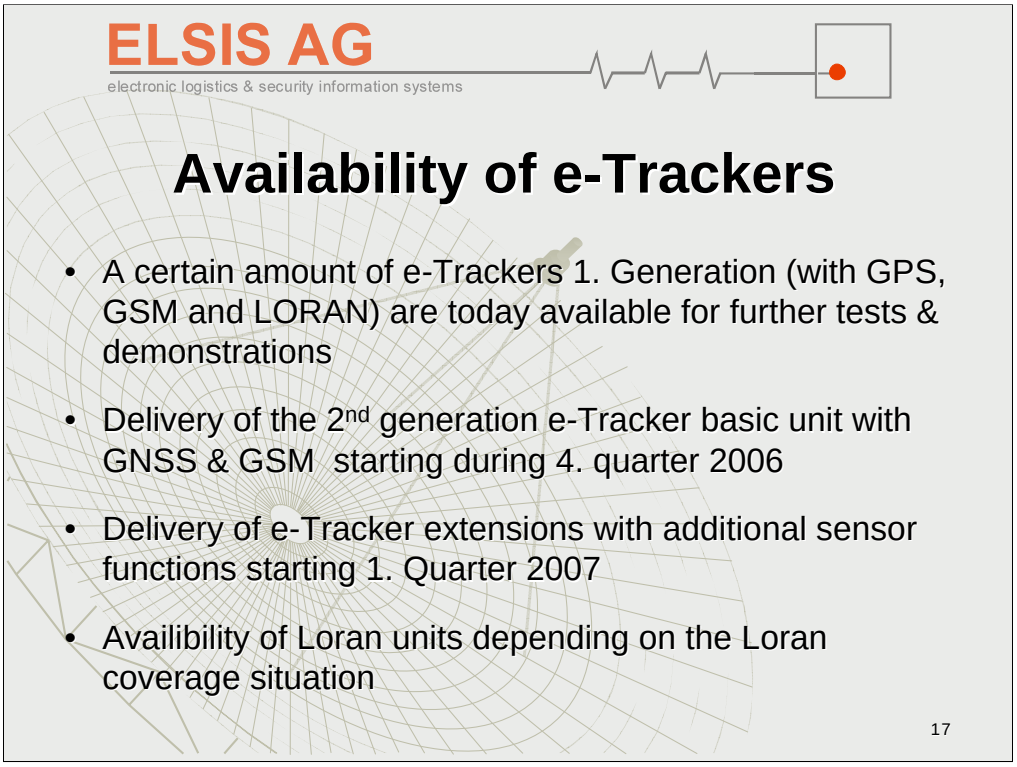
- Trailer
- Container
- Construction equipment
- Automotive (Old-timers)
- Yachts…

WHY?

- Theft
- JIT
- Monitoring
- Inventories

Customer contacts indicate ever more assets who need tracking.

A recycling company contacted us to obtain information on their containers positions or whether they (containing e.g. scrap metals) are being removed illegally.



The Loran mass market product development in Europe can only take place when an increased Loran signal coverage is provided.
If no important improvements take place in the near future the mass market applications may disappear.
The high security market will then be the only Loran application, not requiring large quantities.

Please do not hesitate to contact us for further information