



D@tatr@ac

Innovators in Data Capture

Assetrac

An application using e-tags and reader to assist in monitoring equipment

Outline

Assetrac provides a means of collecting data from locations and equipment. Thus enabling the recording of equipment specifications, easy updating of maintenance records and equipment registers without the operator having to key data into a computer.

Uses include

- An installation to monitor engine equipment in an un-manned engine room.
- Assetrac has been successfully piloted by the Royal Fleet Auxiliary to provide the means of updating their equipment register on Hydraulic Hoses.

Other applications :

Planned maintenance tasks,
Checking Location of Equipment,
Collecting performance data,
Maintaining Asset Registers
To provide evidence of Safety & Security Rounds

Features and Benefits

- Provides an on site record of the specification of equipment;
- Provides an at location record of maintenance tasks performed;
- Accurately records time and date of maintenance activity;
- Avoids an operator having to key data into a computer;
- Avoids duplication of data collection and thus reduces error;
- Simplifies the task thus making it more likely that the task will be performed.

Assetrac with the RFA to track hydraulic hoses



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The Technology

Handheld Reader with Electronic Tags

What it does

Datatrak have combined a PDA with their own reader head in order to contact with and read data from electronic tags. This creates an electronic link between an object and a database. The resulting handheld reader is easy to operate with only one hand even when the operator is wearing a work glove.



PDA: Rugged PDA with Datatrak eTag

How it works

The contact memory tag is an electronic chip in a ruggedised case that has been manufactured with a unique identification number.

- The Datatrak solution provides that electronic tags are securely placed, either around a work area such as a vessel or on specific pieces of equipment.
- When the tag is touched by the Datatrak reader head a circuit is completed that enables the reader to read the identification number and any data saved on the tag.

The software in the PDA recognises the tag identification and through the Datatrak software program always records the time and date of contact for proof of presence and /or prompts the operator to take one or more specific actions.

If you think you have an activity which could benefit from our data capture technologies we would like to discuss it with you.

Contact jtobin@datatrak.co.uk



Oxley eTag

Operational Use

At the commencement of his tasks the operator would have been required to enter his own unique identification (PIN) to activate the PDA. At the end of a sequence of tasks the PDA is then docked in a cradle or connected by a lead to a computer and the data collected from the tags is downloaded automatically into the Datatrak management database.

It can then be imported into the client's own planned maintenance system or can be retained as a record of actions actually completed for compliance purposes.

After completion of the round the operator is not required to take any further actions, and does not need to update any maintenance record by typing into the computer.

The tag and reader automatically record the time of contact which avoids the necessity of entering time data and acts as an accurate proof that a task was performed, when it was performed and by whom.



Rugged PDA with Datatrak eTag Reader with remote readerhead

**Get to know more about Datatrak Solutions by ordering a Starter Pack now.
e-mail: sales@datatrak.co.uk or phone 020 7377 5773**