



Smart Management

Integrating Tag-Hub

Tag-Hub enables companies to collaborate on global supply chain management, asset management and more. The core of Tag-Hub is a web-based global repository that can rapidly deployed for companies. In addition Tag-Hub has applications for handheld devices for effective data capture.

All items managed by Tag-Hub will have a unique ID and this provides a shared reference for collaboration. Tag-Hub also makes it possible to store information about any type of items and give them a presence on the Internet. Sharing of information can be configured with specific persons, companies or even publicly on the web.

Tag-Hub is designed as a supplement to or to be integrated with other systems. This means that data from Tag-Hub can be used in other systems and Tag-Hub can use data from other systems. One example is to let an ERP system push data to Tag-Hub to initialize a project and pull data back during the execution of the project.

Tag-Hub comes with a set of applications; both web-based and mobile applications. In addition, it is possible for third party developers to connect to Tag-Hub and create their own front-ends and custom applications.

Tag-Hub is not a wide open system as the data managed by Tag-Hub is secured with the same cryptology technologies employed by the major companies on the web and millions of users rely on. This means that you get access to the data you are supposed to get access to and nothing more.

Examples

Map data

Items managed by Tag-Hub can have an associated latitude-longitude. The data for the lat-lon may come from various sources; including GPS trackers provided by Smart Management. However, it is simple to make applications to update the location of an item.

Maps with the location of items can be viewed inside Tag-Hub, or the data needed to create maps can be exported. One special case is the export of KML files to map programs like Google Earth.

Reporting and status updates

It is possible to create a filter, e.g. all containers awaiting shipment and share the report as a secret link that can be viewed in a browser or even imported to a spreadsheet. In this way small fragments of important information can be be shared to e.g. customers awaiting a special delivery.



Python
JSON
OAuth
JavaScript

Features

- Tag-Hub has an extensive set of APIs that makes it possible to build complete applications that use the Tag-Hub datastore and authentication mechanisms
- Applications that communicate with Tag-Hub can be built for most popular platforms
- Tag-Hub can make available reports and map data that can be read by standard applications such as Excel and Google Earth
- Integration with ERP systems can be done by custom scripts that use the APIs to synchronize data
- Tag-Hub is built using standard open source tools and communicate with industry standard technologies

Benefits

Expand your company's capabilities without big risks

Tag-Hub can simplify collaboration and data capture. Tag-Hub can be implemented without affecting existing systems in a company and when it works as expected data can be synchronized as needed.

Tag-Hub can be expanded as needed

Functionality that is not a part of Tag-Hub can be added as applications, both for web and mobile devices.

Standard technologies

Tag-Hub uses standard technologies to communicate with external systems. This means less expensive training for those implementing the integration.

Requirements

Tag-Hub communicate via RESTful APIs that return JSON data. We provide examples for integration with Tag-Hub in Javascript and Python, but other programming languages will work. Authentication with Tag-Hub is handled by OAuth and clients that need authentication must be able to handle that.

Smart Management

Tag-Hub is developed and operated by a dedicated team at Smart Management, located in Stavanger, Norway. We work closely with some of the operators in the offshore oil and gas industry in the North Sea; probably one of the more advanced supply chains in the world.

In addition to Tag-Hub we also provide consulting services related to Tag-Hub and supply chain management.