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Navman Wireless API

Easily Integrate Any Application With Your Fleet Tracking Data

What is Published Interface?

A Published Interface (or "API" as it's commonly known) is what could be described as a "programmatic interface" for the OnlineAVL or OnlineAVL 2 desktop client software. With it, skilled 3rd party developers can retrieve the data that users can view in their OnlineAVL or OnlineAVL2 desktop client software and use it for integration into 3rd party applications or back office systems.

Why would I use an API?

The Published Interface is commonly used when a customer requires information that is not included in the OnlineAVL2 desktop client software, but is collected by Navman Wireless and held on our servers. For example, the Published Interface could be used to produce custom reports based on data held on the Navman Wireless servers, or to take job information from a back office system and send this out to a Navman Wireless data terminal in the vehicle at the push of a button. It can also be used for more advanced purposes such as the collection and sending of serial, analogue or Digital I/O data via the sensors with a ConEx sensor unit.

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What do I need to get started?

You should begin by reviewing this document thoroughly to confirm that an API will provide the information/connection that you're looking to achieve. Assuming this is the case, you'll need to contact a Navman Wireless representative for confirmation that what you're trying to achieve is possible via our API.

Before we can create an account and provide more in-depth documentation/test applications, we will then require a signed Mutual Confidentiality Agreement. This will be drafted once requirements have been confirmed and documented.

If you're developing for a 3rd party (i.e. a mutual customer), then we'll need written authorization from an authorized signatory at that 3rd party to provide you with access to their fleet/account details where appropriate.

What data is exportable?

- Vehicle position (latitude and longitude)
- Vehicle details (vehicle type, vehicle ID, etc.)
- Vehicle activity (date/time, event type, etc.)
- ConEx data (door opened/closed, etc.)
- Messages or responses from your drivers
- Driver information and status using the MDT/M-Nav devices
- Working time directive compliance information

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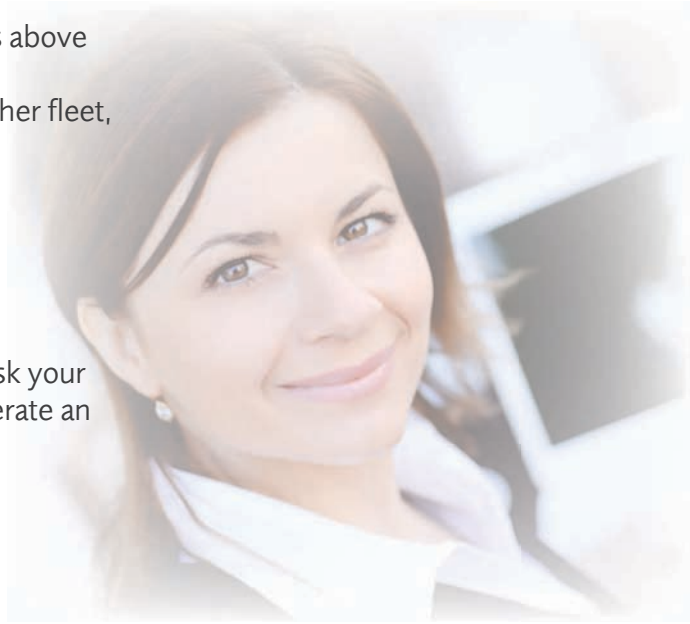
Common third party applications?

The Published Interface for OnlineAVL2 is a SOAP interface which utilizes .Net based web services. Navman Wireless most commonly integrates the interface with dispatching software applications, but our API solution can also be integrated with scheduling/project management, accounting/finance, and customer relations management applications. We support almost any back office system you are interested in integrating with. All data is presented in XML format.

What can I do with an API?

- Configure the OnlineAVL2 system (e.g. modify vehicle details or add customer sites above and beyond the current limits)
- Retrieve multiple fleet data simultaneously (you can of course log off and on to another fleet, or run multiple instances of the API application)
- Perform historical data retrieval beyond system defaults (limited to the last 7 days)
- Perform fast turnaround transactions (usage limited to 10 calls per minute)



How much does it cost?

Well, that depends on exactly what you want the API to do for you. If interested, please ask your Navman Wireless representative for more information. We'll discuss your needs and generate an estimate of time and money to accomplish the tasks.

Example of a Successful Customer API Implementation

OnScene Solutions, LLC (www.onscene-solutions.com) was formed in 2002 by Peter DeSciscio from Brunswick, Ohio and Dennis Thurlow from London, Ontario to provide the towing and recovery service industry with cost effective, easy-to-use software solutions that maximize the return on technology investments. With the absence of a reliable, stable and properly engineered local database solution for the towing and recovery industry, OnScene Solutions embarked on the development of the InTow Software Suite.

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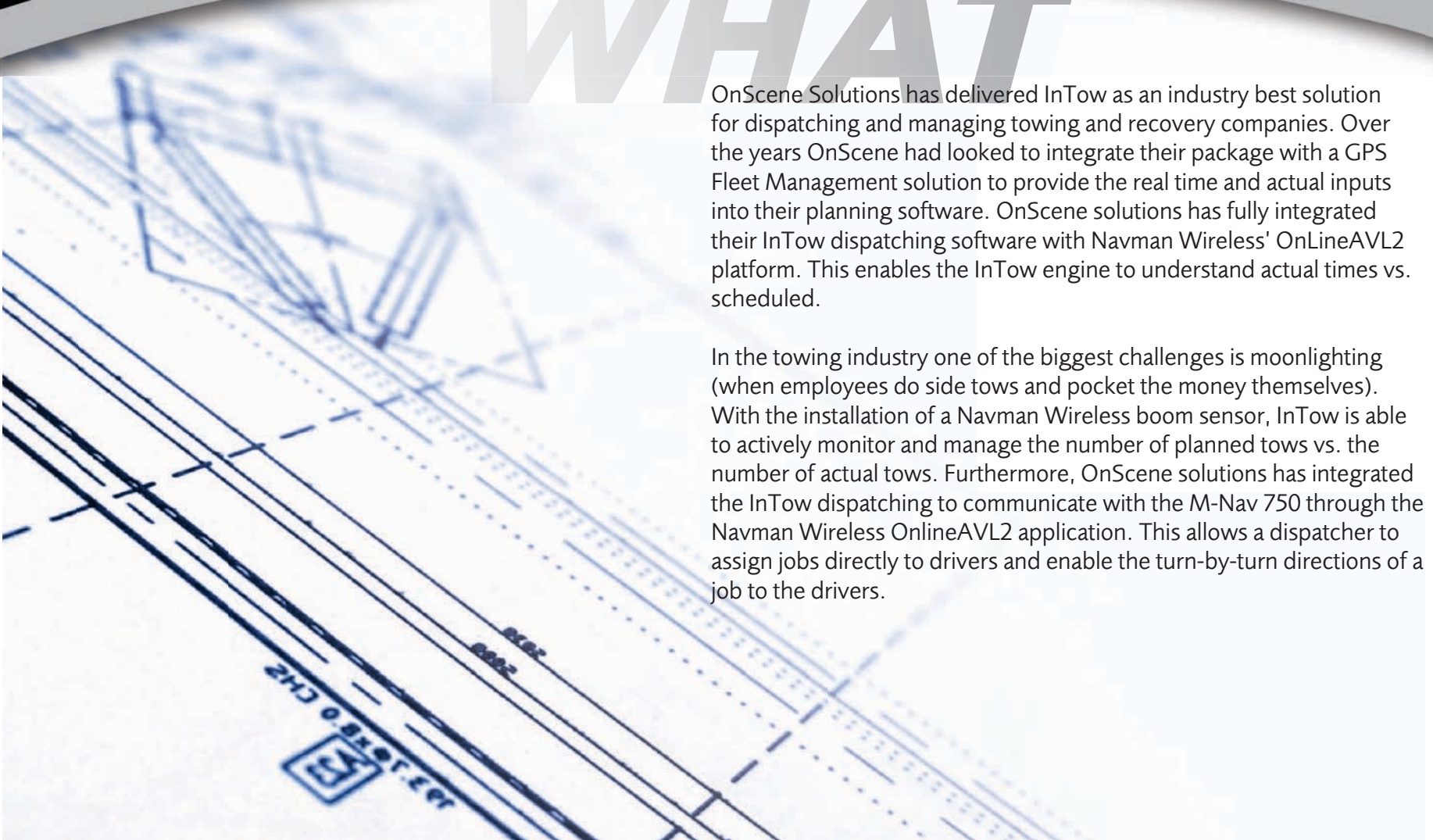
WHAT



OnScene Solutions has delivered InTow as an industry best solution for dispatching and managing towing and recovery companies. Over the years OnScene had looked to integrate their package with a GPS Fleet Management solution to provide the real time and actual inputs into their planning software. OnScene solutions has fully integrated their InTow dispatching software with Navman Wireless' OnLineAVL2 platform. This enables the InTow engine to understand actual times vs. scheduled.

In the towing industry one of the biggest challenges is moonlighting (when employees do side tows and pocket the money themselves). With the installation of a Navman Wireless boom sensor, InTow is able to actively monitor and manage the number of planned tows vs. the number of actual tows. Furthermore, OnScene solutions has integrated the InTow dispatching to communicate with the M-Nav 750 through the Navman Wireless OnlineAVL2 application. This allows a dispatcher to assign jobs directly to drivers and enable the turn-by-turn directions of a job to the drivers.

HOW

OnScene Solutions was able to complete the integration of their package with Navman Wireless in less than 30 days. Navman Wireless provides a toolkit that enables companies like OnScene to complete these kinds of integration with rapid development cycles in mind. The Navman Wireless API toolkit provides documentation of architecture and detailed calls through the API (sample codes, test codes and a sample username and password) to begin development.

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To learn how Navman Wireless can integrate with your systems, contact a representative today.

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