

# THE SCRIPT

## Inaugural Issue



### Special points of interest:

- Envista Air Resources Manager Version 8 is now in development.
- Envista ARM Version 7 updates add new productivity enhancements
- XML Reporter adds support for Schema 3.0 AQS data exchange.
- Filter PAQC adds support for all lab data (air, water, waste).
- Envidas for Windows announcement of end of support.

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## 2015 Starts 10th Year of Operations in Ohio

Back in the Fall of 2005 a visit to central Ohio to visit relatives began the process of events that led to relocating DR DAS from Austin TX to Granville OH just outside Columbus. One look at the Village of Granville and the chief decision maker (my wife) was in love with the Norman Rockwell 1950's ambience of the place.

Since the move, the company has grown and been continuously successful. This is in large part due the hard work and dedication of the local employees added to staff. The Midwest grows great vegetables (in our huge "kitchen" garden) and talented, honest and hardworking people.

DR DAS LTD is the exclusive North and Central American distributor of software developed by Envitech Ltd. This software is used worldwide by industry, government and

educational groups performing measurements related to the quality of the environment. The Envitech software products provide the core components of the solutions that DR DAS designs and delivers to our customers in the USA, Canada and Mexico. These products continue to be enhanced and new applications are released every year.

A core goal of Envitech products is the delivery of accurate information to government, industry and the public so that informed decisions can be made regarding our use of the planets finite resources.

To meet the needs of customers in North and Central America DR DAS develops additional software products and add-ins to the Envitech products. These support regulatory requirements and cultural differences.

This inaugural issue of THE SCRIPT focuses on the new features and products to expect in 2015. We think you will be excited about the future. We are!



**Downtown Granville— All 2 Blocks. Still the same as 1958.**



**Denison University Sitting Atop the Town of Granville Offers Great Cultural Opportunities**

## Look for Major New Product Releases in 2015

2015 will feature the release of Envista ARM version 8 with a host of new features not the least of which is something we call Feature Control. Envista is being used by environmental agencies in many countries, necessitating the addition of many features. Most of these additions are useful to the entire Envista User Community.

But some are quite unique and frankly can be distracting to some users. To make the user experience with Envista more customizable we have created feature control. This is a database of Envista features and their properties which includes whether they are to be hidden for all users or only certain User Access Levels. Look

inside this Issue for previews of new features in Envista's core programs and add-ins .

Sadly 2015 will also be the end of product support for Envidas for Windows, the software that 15 years ago began the industry change to digital data acquisition.

in	Date Time	Wind Speed S
em_Time	1/2 11:04 PM	ms
sh_Trex	1/2 7:00 PM	NoData
sl_Trex	1/2 7:00 PM	3.3
ens_Trex	1/2 7:00 PM	4.2

  

Calibration	
Diagnostics (No Parameters)	
Digital Monitor	
LogBook	
Station/Monitor Report	
Generate All Reports	

**Envista's Dynamic Tabular Display Now Features Quick Links to All Information Related to a Measurement**

## Envista ARM V7 Enhancements Continue to Roll Out

While development is underway for Version 8 of Envista ARM, there are still productivity enhancing features being added to version 7.

**Dynamic Tabular Displays** now feature one click access to Station Reports, Alerts, Calibrations, Diagnostics, Digital Monitor Status and Logbook entries for any measurement in the table. A 2 week look back is the default for most reports. This feature presents "all you need to know" in one dashboard. Also added to this display is the Polling Status of the CommCenter program and the date and time that CommCenter last collected

data from any station in the network. Seconds until display refresh is also shown.

**Dynamic Maps** have had the image background map deleted and the ArcView GIS layers map enabled. To use this feature consult with DR DAS. We need to create a special stations GIS layer for you.

**AQI Reports** now use the PM10 NowCast logic when the AQI type is selected as EPA Forecast. This matches the calculation being used in Air-Now as of January 1 2016.

**New Report Features** Many tabular format reports now

allow sorting on the values of a column so you can see the table in ascending/descending order by channel value or date. This makes it quick to find those top N values in a report period.

**Compare and Import** is a new feature that behaves similarly to the existing Import feature. It allows a user to load a source file into memory and graphically compare it to data already in Envista's database. Parts of the dataset can then dynamically be selected and imported.

DR DAS will host a webinar in early February to show these new features.



Mobile Device Apps with Web

## Envista ARM Web Edition

Envista ARM Web Edition supports public Internet and private Intranet web sites. Easily branded to match agency and company look and feel requirements, Web Edition is in use in agencies in The US and Canada. Several States and private companies host their sites on the DR DAS Cloud servers.

During 2014 the AQI mapping using Bing and Google Map services was enhanced. Multiple maps are now sup-

ported. This feature allows large scale maps, such as a whole state, to have multiple sub maps for Urban areas. In addition the maps, dashboards and reports now use the PM10 NowCast logic when the AQI type is selected as EPA Forecast.

The HTML 5, API enabled Mobi Edition of Envista premiered in 2014. Working with the Envista WEB API the fea-

tures of the site are now available formatted for mobile devices. Apps for Android and iPhones were released in the UK and Israel markets.

Version 8 of Web Edition will be released in 2015. It will also use HTML 5 and the API. Android, Windows and iPhone Apps for the USA and Canada will be released.

**"XML Reporter will also add Station and Monitor metadata flows to its feature list at this time.**

## XML Reporter to Support AQS Schema 3.0

As submission requirements change in our field, we are proud to enhance our products to stay on the leading edge.

Early in 2015 the XML reporter will support Schema 3.0 submissions of data to AQS via the EPA Exchange Node. The biggest changes in 3.0 relate to the Quality data records which replace the RA and RP we are all used to

submitting. XML Reporter will also add Station and Monitor metadata flows to its feature list at this time.

Other changes in XML Reporter accomplished in 2014 included:

Submittal of the XML documents to a FTP site instead of directly to a node web service.

Revision of the Open Node 2 AQS plugin to support both Synchronous and Asynchronous submission of XML documents through a State Node.

DR DAS will announce these new version offerings via its support system, SysAid and will follow up by offering an enhancement webinar to all people interested in seeing what the new XML Reporter can offer.

## Filter PAQC Adds Support for General Lab Data

The Filter based data management add-in to the Envista system has been developed by Nathan Downs of the DR DAS staff. Designed originally to support filter based measurements of PM 10, PM2.5, coarse and Lead, the system has continued to evolve as more agencies and consultant organizations adopt this valuable tool.

Early adopters, New Jersey, New York, and Connecticut provided crucial funding to seed the development of the project. Since this time, Filter PAQC has tripled in its user base over the past four years.

New users continue to bring significant and unique perspectives to the Filter PAQC project, including a set of enhancements for our newest large state project.

These enhancements give Filter PAQC inherent infrastructure that will provide significant expansion of the product's usage over the next year. Most interesting is the potential for integration of air and water data into Envista ARM via a lab data interface. Soil and other data flows become possible as well.

If your agency finds the potential integration of new lab

based data to be of interest, please contact Nathan directly by e-mail: [nathan@dr-das.com](mailto:nathan@dr-das.com)

Beyond this project, Filter PAQC will be debuting a new major version number this Spring with several new features. This process began with wish lists collected from various users, and a series of open meeting discussions with the entire user group.

Continuing the DR DAS model of customer driven feature implementation, we are proud to continue improving this product together.



**Nathan likes programming, especially the FilterPAQC application.**

## Envistas Ultimate Protocol Library Continues to Expand

During 2014 over 25 new protocols were added to the Ultimate library. These protocols allow scores of new instruments and devices to be easily interfaced with Ultimate for collection of measurement data, faults and diagnostics.

Many of these instruments are quite complex and produce many measurements. The scalability of Ultimate, up to 512 base measurements with 32 fault flags and 32 diagnostics per measurement, has been used in several very

complex data collection projects.

Some instruments require time to evaluate the collected sample. The hour average may not be available until 30 minutes after the sample hour or in some cases not until the next hour. Ultimate's ability to divide the channels into multiple sites and have Envista poll separately for site data from each Ultimate "Site" allows a poll immediately after realtime measurements and another poll when "delayed" values are available.

Some of the new instruments added include:

- **Teledyne API** Models 602, 633 and 651
- **TSI** models 3013, 3321 and DustTrac
- **Cooper Scientific XACT** model 625 Metals
- **WaveTronics** Traffic Radar
- **Lufft, Reinhardt and Davis** weather stations

**"The scalability of Ultimate, up to 512 base measurements with 32 flags and 32 diagnostics per measurement, has been used in several very complex data collection projects."**

## A Big Year for Public Information

Public information distribution remains a challenge for any field such as ours and 2014 saw DR DAS developing the best ways to get data out to the public. Look for public announcements and information about these systems going live this year.

**Voice Manager**—Envitech and DR DAS have worked with Maryland and Nova Scotia to create a new generation of telephone reporting.

Currently slated for official launch this Ozone season, the Voice Manager provides many exciting features such as scripting and direct collection forecasts from AirNow.

**Air Quality Kiosk**—Also with a hopeful launch this ozone season is Connecticut's touch screen Air Quality kiosk which reports local Air Quality and educates the user on our field.

**Envista API**—As the web remains a critical public por-

tal, a new web API has been created with query support for developers within your agency to use.

**Phone Apps**—With the launch of the Envista API (which will also drive data to the AQ Kiosk and parts of the HTML5 Web Site), we will also supply phone apps (iTunes, Google Play, Windows Store). Custom Apps can be developed for our clients looking to expand their use of mobile technology.



**The Kiosk Application Helps Deliver Environmental Awareness Stories to Park Visitors**



<http://www.dr-das.com>

Mail: 194 Clouse Lane Granville OH 43023  
Shipping: 405 S 30th Street Heath Ohio 43056

Phone: 740-281-5820  
Fax: 740 -522-6237  
E-mail: [sales@dr-das.com](mailto:sales@dr-das.com)

### Your Prescription for Quality Data.



DRDAS1



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DR DAS LTD is a veteran owned, Ohio small business. Established in 1996 we have been the exclusive North and Central American distributor of Envitech Ltd. products since 1997. Envitech Ltd. is the leading global supplier of continuous environmental data collection monitoring software called Envista Air Resources Manager (ARM) As the North American distributor for Envitech Ltd for 15 years, DR DAS has assisted many organizations in the process of modernizing their monitoring operations through implementation of Envitech software.

Business activities support modernization of monitoring programs in the environmental, safety and quality domains. The solutions offered by DR DAS leverage advances in IT and instrumentation to offer its customers software tools, service and training that reduces operations and maintenance costs while enhancing data quality. We also develop additional software components (Add-Ins) to meet Federal, State and local requirements of our customers if these specific features are not available within the core Envista system.

Projects undertaken by DR DAS LTD can be in any application involving data collection, analysis, modeling and reporting. Monitoring project experience includes Ambient Air, Meteorology, Emissions, Water, Noise and Radiation.

Whether your organization is considering a network overhaul or just needs to accomplish a special project, our staff have the experience and knowledge to assist. Because we work every day with the instrumentation used in environmental monitoring we are the best equipped resource to answer the questions related to instruments and their communications and data acquisition capabilities. Our extensive support library includes all product manuals, support software and 100's of Tech notes and White papers that can assist the monitoring community.

## End of Support (EOS) for Envidas for Windows Announced by Envitech Ltd.

The Envidas for Windows (EnvidasFW) software product was introduced in 2000 and has been a very successful product. It was written in Microsoft Visual Basic 6. In 2012 the Envidas Ultimate product was brought to market as the next generation of Envidas data system software. Written in Microsoft's C#.Net language it is designed for use with Microsoft's newer operating systems.

Financial incentives have been offered to move from EnvidasFW to Ultimate software for several years. Many organizations have already done so. We believe that it is highly advisable to transition to Envidas Ultimate. It is a superior product on which Envitech Ltd has spent significant resources to provide enhanced features needed

for interfaces with newer instruments as well as for changes in IT technology. Given the large resource commitment to Ultimate, Envitech cannot also continue to enhance or to patch issues that arise in EnvidasFW. These arise primarily due to external changes in IT technology and instrumentation. Accordingly they have established the following dates for the End of Life process for Envidas for Windows.

1. Effective **Nov 5, 2014** the Envitech Ltd software product Envidas for Windows will no longer be sold.

2. Effective **Nov 5, 2014** enhancements to EnvidasFW will no longer be provided.

3. Effective **Jun 5, 2015** bug patches to EnvidasFW will no longer be provided.

4. Effective **Jun 5 2015** special upgrade pricing to move from EnvidasFW products to any version of the Envidas Ultimate software will no longer be offered. It is hoped this time period will allow most organizations to have a budget cycle occur in which they can allocate funding for needed changes.

5. Licenses for EnvidasFW were sold "in perpetuity" and the software may continue to be used. All license and copyright terms remain in force.

Please contact DR DAS LTD if you have questions or comments regarding this policy.

### DR DAS LTD Policies

#### EOS for EnvidasFW

1. Technical support for the use of EnvidasFW will be extended through June 5 2016. Sales, enhancements, bug fixes and special upgrade pricings are as defined in the Envitech announcement.
2. A limited number of Ultimate upgrades will be purchased by DR DAS prior to June 5, 2015 for customers needing additional time to obtain funding. Please contact us to discuss your circumstances.
3. Technical support will be provided to assist customers in their migration to Envidas Ultimate.