

## INAuditPro



# INAuditPro<sup>©</sup>

## a WiseTools Productivity Tool

A web-based tool for inspecting Engineering and As-Built/OO SPI databases. Runs out of the box and is simple to use with time saving, automatically generated punch lists and reports.

### BENEFITS

- **Identifies incomplete/ inaccurate data** in Oracle or SQL Server SPI databases.
- **User Friendly** – intuitive, fast and easy to use.
- **Web Application** – use Microsoft Internet Explorer or Edge or Google Chrome.
- **Run pre-defined queries** in batch mode with one click.
- Save **customized** query views. Run as desired.
- **View summary reports** and detailed reports in Excel.
- **Punch List** of all audit items automatically created.

### EASY TO USE / INSTALL

- Web-based user interface.
- Uses Oracle / SQL native drivers to connect to SPI.

### SYSTEM REQUIREMENTS

#### Client:

- Microsoft Internet Explorer v11, Edge or Google Chrome.
- Windows 7.x - 10x.
- .NET Framework 4.5+.
- Microsoft Excel.

#### IIS Server:

- IIS v7.5+, 64-bit
- Windows Server 2008 R2, 2012, 2016.
- .NET Framework v8.5+.

### 100% SPI COMPLIANT

- Compatible with SPI v2009, v2013, v2016, v2018 & v2019.
- Compatible with As-Built/Owner Operated database.
- Compatible with Oracle and SQL databases.

\*SmartPlant Instrumentation (SPI) is a registered trademark of Intergraph Corporation/Hexagon.

\*\*Excel is a registered trademark of Microsoft Corporation.

## Seven Audit Modules Available

### As-Built Projects

#### Pre-Merge

14 groups with a total of 153 reports that identify Project (only) data issues and errors prior to merging project data to the As-Built database.

#### Project Statistics

3 groups with a total of 50 statistical reports provide Project (only) statistics such as Total Instrument Tags and Total New Datasheets Added or Total As-Built Datasheets Claimed etc.

#### Project Panels

Search through one or all panel types (JBs, MRs, Cabinets, DCS and PLCs) across all projects to identify available spare terminals.

### As-Built and Engineering

#### DB Integrity

9 groups with a total of 126 reports check for anomalies that affect the overall integrity of the data in an engineering or As-Built/OO database. Specific audits for upgrading to 2016 and greater.

#### Standards

32 groups with a total of 142 reports provide a comparison of current SPI standards against default SPI standards.

#### Statistics – Engineering and As-Built

7 groups devoted to domain stats or PAU stats with a total of 69 reports provide database statistics for the selected plant, area(s) and/or unit(s).

#### Engineering and As-Built

8 groups with a total of 87 reports check for data errors and/or omissions for the selected plant, area(s) and/or unit(s). Use the High Level Filter (HLF) to filter for specific data.

## Highlights

- ✓ Web-based for easy access by SPI users; instrumentation leads and project managers.
- ✓ Uses Oracle / SQL native drivers to connect to SPI for easier installation and faster reporting.
- ✓ Reports aid in eliminating incorrect/erroneous data which improves overall confidence in SPI data.
- ✓ Run **As-Built Project** reports to ensure data quality BEFORE merging back to As-Built.
- ✓ Batch run many different queries against SPI with a single click.
- ✓ Create custom query views by selecting specific audits and saving them for future use.
- ✓ Reports are automatically saved to a designated folder in Excel format for easy reference.
- ✓ Punch List of all item counts is automatically created and saved in Excel.
- ✓ High Level Filter option available for user to filter for specific data related to a User Defined Field (UDF) and/or a User Defined Table (UDT). For example, MOC number or System.
- ✓ Optional SQL fixes available in some of the detailed audit reports.
- ✓ Interactive description/ explanation links to audit items.
- ✓ Replaces WiseTools INAudit<sup>©</sup> effective April 2020.

## INAuditPro<sup>®</sup> is Easy to Use

### INAuditPro MODULES

#### For As-Built Projects:

- Pre-Merge
- Project Statistics
- Project Panels

#### For As-Built & Engineering:

- DB Integrity for As-Built and Engineering Databases
- Standards for As-Built or Engineering Plants
- Domain Statistics for As-Built or Engineering Plants
- General Audits for As-Built or Engineering Plants
- High Level Filter (HLF) for Engineering and As-Built module.

### OTHER PRODUCTIVITY TOOLS

- INView
- INView Anywhere / INField Check, INLoop Check, INWalkdown - Instruments
- INSync Admin / Review
- INFront
- INAudit - End of Life April 2020

### WISETOOLS SERVICES

- SPI Consulting
- SPI Data Migration
- SPI Data Merging
- SPI Database Audits
- SPI Document Conversion
- Training for SPI and WiseTools Products
- Custom Programming
- SPI Upgrades

For more information on any of our products or services, **visit us** at: [www.wisetools.ca](http://www.wisetools.ca)

OR

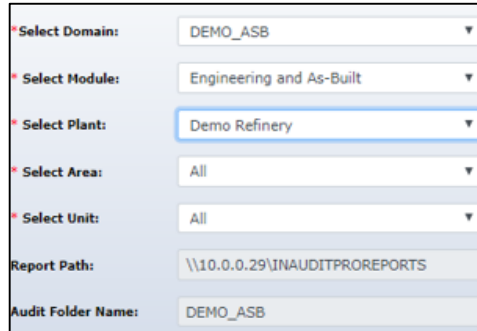
call 403.233.8015

OR

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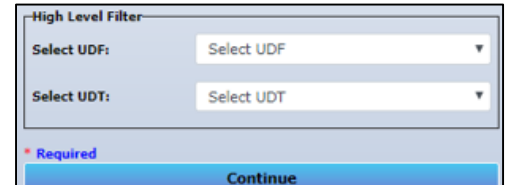
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### 1. Select module and PAU



Select Domain: DEMO\_ASB  
 Select Module: Engineering and As-Built  
 Select Plant: Demo Refinery  
 Select Area: All  
 Select Unit: All  
 Report Path: \\10.0.0.29\INAUDITPROREPORTS  
 Audit Folder Name: DEMO\_ASB

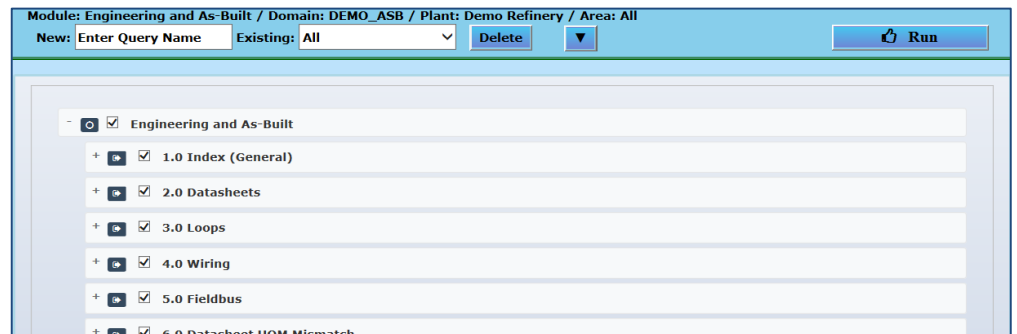
### 2. Use optional High Level Filter (HLF)



High Level Filter  
 Select UDF: Select UDF  
 Select UDT: Select UDT  
 \* Required  
 Continue

### 3. Click Continue to view and select all or some of the audit items to run.

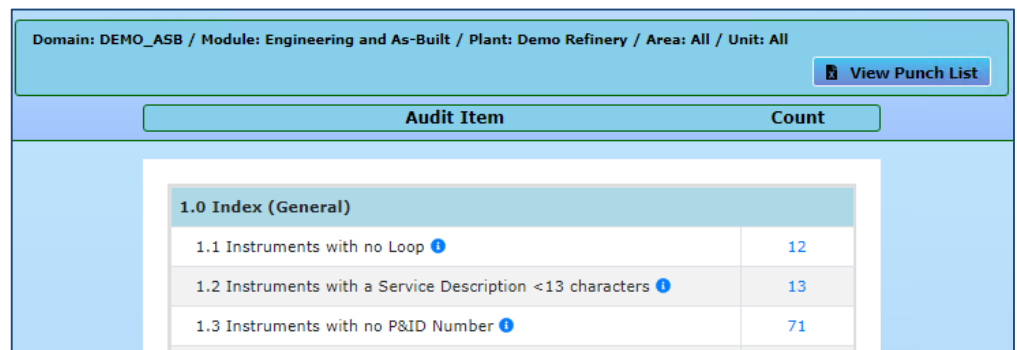
### 4. Click Run to initiate the reports



Module: Engineering and As-Built / Domain: DEMO\_ASB / Plant: Demo Refinery / Area: All  
 New: Enter Query Name Existing: All Delete Run

- Engineering and As-Built
  - 1.0 Index (General)
  - 2.0 Datasheets
  - 3.0 Loops
  - 4.0 Wiring
  - 5.0 Fieldbus
  - 6.0 Datasheet IOM Mismatch

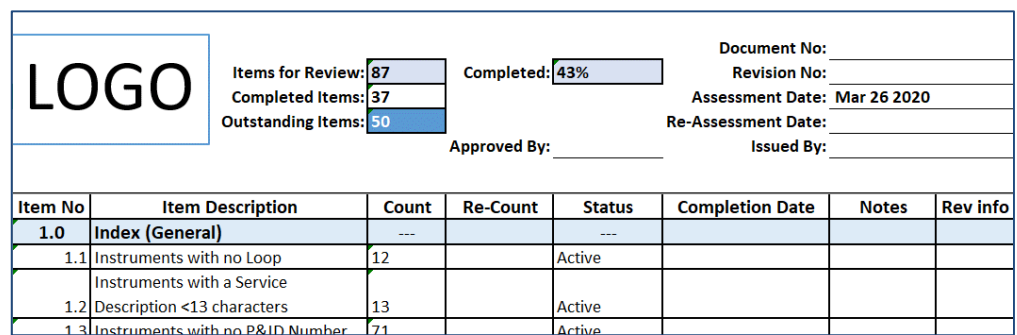
### 5. View summary, click the count links to view individual reports



Domain: DEMO\_ASB / Module: Engineering and As-Built / Plant: Demo Refinery / Area: All / Unit: All View Punch List

Audit Item	Count
<b>1.0 Index (General)</b>	
1.1 Instruments with no Loop	12
1.2 Instruments with a Service Description <13 characters	13
1.3 Instruments with no P&ID Number	71

### 6. View / Print the Punch List



LOGO

Items for Review: 87 Completed: 43%  
 Completed Items: 37  
 Outstanding Items: 50

Document No: \_\_\_\_\_  
 Revision No: \_\_\_\_\_  
 Assessment Date: Mar 26 2020  
 Re-Assessment Date: \_\_\_\_\_  
 Approved By: \_\_\_\_\_ Issued By: \_\_\_\_\_

Item No	Item Description	Count	Re-Count	Status	Completion Date	Notes	Rev info
1.0	<b>Index (General)</b>	---		---			
1.1	Instruments with no Loop	12		Active			
1.2	Instruments with a Service Description <13 characters	13		Active			
1.3	Instruments with no P&ID Number	71		Active			