



INTurnover[©]

STREAMLINE & AUDIT DATASHEET DATA & STANDARDS BEFORE PROJECT TURNOVER

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A WiseTools Productivity Tool

BENEFITS

- **64-bit Web app** – use Edge or Google Chrome browser.
- **User Friendly** – intuitive and easy to use.
- **Multiple** user access.
- **Cost effective** – SPI license not required.
- **Cloud Compatible**
- **No hidden costs**

SPI COMPATIBILITY

- 2016, 2018 & SI v13 & v14
- Oracle or SQL
- Engineering and As-Built/OO

For more information on any of our products or services, please visit us at:
www.wisetools.ca

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

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INTurnover[©] is a user-friendly, cost-effective web-based solution that simplifies the auditing of the SPI **project turnover process**. Designed for both hosted and non-hosted (EPC) **SPI projects**, INTurnover helps assure **data quality and completeness** before project handover.

☑ Key Features

- **User-Friendly Interface** - Simple, intuitive graphical interface allows users to visually select required datasheet fields directly on the datasheet form.
- **Flexible Datasheet Mapping** - Easily map datasheet data fields to audit and generate excel audit reports.
- **Powerful Audit Engine** - Audit datasheets for missing or non-compliant data based on customizable rules. Highlights differences between the seed and project:
 - Instrument types and profiles
 - Spec form templates
 - Index UDFs
 - I/O types
 - Pipe materials, and more.
- **Rule-Based Data Validation** - Define conditions for auxiliary data fields — ie. if control valve **switch tag** exists, then **manufacturer, model, and type** data must be provided. Rules can be applied across instrument types.
- **Advanced Filtering** - Use multiple data filters to narrow audits by:
 - Revision issues
 - Purchase, construction, and As-Built statuses
 - MOC/WO number
 - Index UDF
 - Process function
 - Instrument status exclusions (e.g., delete, demo, hold)

🗄 Support for Hosted & Non-Hosted SPI Databases

- INTurnover works seamlessly with both **plant-hosted** and **contractor (EPC) non-hosted SPI databases**, ensuring data integrity and conformance to the plant's master configuration before turnover.

🔗 Aligned with CFIHOS Standards

- INTurnover supports **CFIHOS (Capital Facilities Information Handover Specification)** by:
 - Enforcing minimum datasheet turnover standards
 - Enhancing asset information quality
 - Reducing operational risks through improved data consistency

🔗 Use Case Examples

- Validate auxiliary tag data (e.g., switches, relays, etc.)
- Detect spec form template deviations
- Ensure correct instrument profile mapping
- Audit changes to datasheet forms across project phases

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SYSTEM REQUIREMENTS

IIS SERVER:

- Windows Server 2016 - 2025 64-bit
- IIS v10 +
- .Net v6.0 and ASP.NET Core Runtime v6.0
- MS Visual C++ Runtime
- PDF Reader +

CLIENT:

- Windows v10, v11, iOS, Android
- Microsoft Edge or Google Chrome
- PDF Reader
- Microsoft Excel

WISETOOLS PRODUCTIVITY TOOLS

- INView
- INP&ID
- INAuditPro
- INAPI
- INTurnover

WISETOOLS SOLUTIONS

- SPI Consulting
- SPI Data Migration
- SPI Data Merging
- SPI Database Audits
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☑ Key Benefits

1. Ensures Compliance with Owner/Operator Standards

- Verifies that datasheet content aligns with the plant's **master SPI database standards**.
- Identifies non-compliant entries or formatting issues introduced by EPCs (Engineering, Procurement, and Construction contractors).
- Prevents rework during system integration by catching discrepancies early.

2. Improves Data Quality and Completeness

- Detects missing or inconsistent values across datasheet fields.
- Ensures critical fields (e.g., tag numbers, instrument types, manufacturer details) are properly filled out.
- Helps enforce required field rules (e.g., auxiliary data required only when certain conditions are met).

3. Reduces Operational Risk

- Accurate datasheets lead to better commissioning, maintenance, and operations.
- Prevents decisions based on incorrect or incomplete instrument data.
- Reduces potential safety issues stemming from misconfigured instruments or incorrect specifications.

4. Simplifies Integration into Plant Systems

- Clean, validated datasheets speed up the process of importing data into the plant's master SPI or CMMS (e.g., SAP, Maximo).
- Prevents data corruption or conflicts during migration.

5. Supports Regulatory and Contractual Compliance

- Many regulatory bodies and internal QA/QC processes require **documented validation** of asset data.
- Provides traceable evidence that the data meets the required standards before handover.

6. Saves Time and Cost Post-Turnover

- Reduces time-consuming and expensive data cleanup after handover.
- Avoids delays in startup, maintenance planning, or asset management due to data issues.
- Cuts down on manual verification or engineering hours post-project.

7. Identifies Unauthorized or Unexpected Changes

- Compares project database configurations to the master seed setup to detect:
 - New or modified instrument types
 - Changes to I/O types or pipe materials
 - Unauthorized form templates or custom fields

8. Supports Digital Twin and CFIHOS Initiatives

- High-quality, validated data is essential for building and maintaining **digital twins** and complying with **CFIHOS handover requirements**.
- Facilitates structured, standards-compliant asset information that can be used throughout the lifecycle of the plant.

9. Enables Better Decision Making

- Reliable datasheet information allows operations and maintenance teams to make faster, more informed decisions.
- Supports effective planning for spare parts, maintenance routines, and system updates.

10. Audit Trail and Accountability

- Provides a documented audit trail of what was checked, what issues were found.
- Enhances collaboration and accountability between EPCs and owner/operators.

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