

[www.intertechdevelopment.com](http://www.intertechdevelopment.com)

Instrumentation

Air Test Systems

Helium Test Systems

Hydraulic Test Systems

Functional Test Systems

Integrated Assembly & Test

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**ISO 17025 Accredited**

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## Introduction

**When you bring people, processes, and technology together to manage quality, you collect more than just data. You collect prescriptive insights on how to improve quality.**

**When an organization's quality tools and data are completely unified, the underlying intelligence becomes a powerful tool, that can be seamlessly used by all levels of the organization to reveal its true value.**

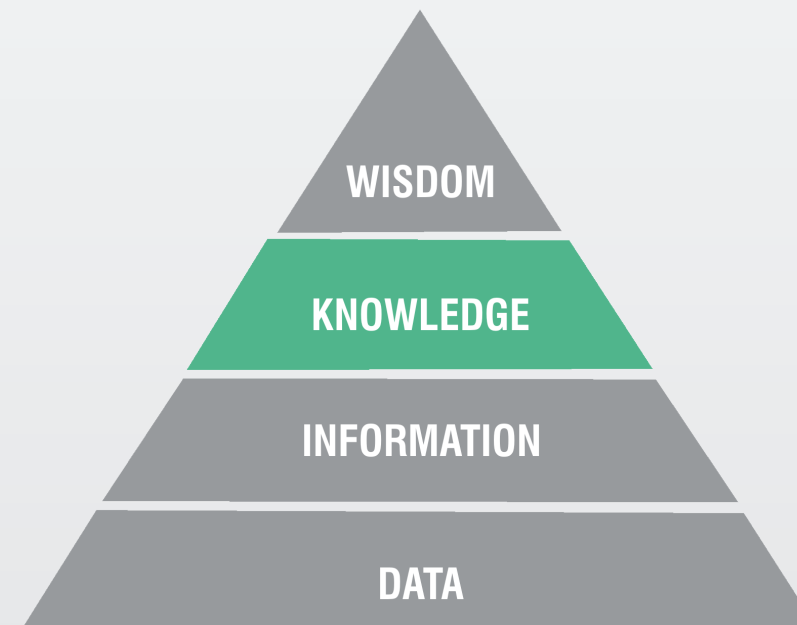
**Many items can be classified as data.**

**Information is differentiated from data in that it is useful – often in the form of organized or structured data. Knowledge, on the other hand, is actionable information.**

**Knowledge and wisdom refers to evaluated understanding or an appreciation of WHY and leads to action.**

## Connecting the Pieces

The following represents the well-known (Ackoff) Knowledge Management Pyramid which provides an overview of InterTech equipment / capability and inputs in real world industrial applications.



## Data

Universal Data collection – using data collection software with tools that can reduce raw data into information.

Defective Part Identification – identifies possible trends, faulty features, and non-conforming parts

Real Time – creation of interactive charts and dashboards demonstrating visibility and control within the factory.

Real time trends and action – prevents expensive recalls that can damage a manufacturer's reputation.

## Information

Database – data in one accessible location, continuous improvement, statistical quality control, lean six sigma, FMEA, and mistake-proofing.

Six Sigma Analysis – streamline processes. Full analysis and reporting helping toward FDA auditing.

Feeds to QA Office – SPC (Statistical Process Control) is an industry-standard methodology for measuring and controlling quality applications during the manufacturing process. On demand monitoring, manage, analyse, and action/report.

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## InterTech Software Capabilities

- Integrate with many QA Quality Control software solutions on the market.
- 21 CFR Part 11 compliance.
- 40 million test record database.
- Integrated GR&R software.
- Can be used with statistical process control applications.
- Helps users and managers dig into root cause, draw comparisons, and spot emerging trends.
- Ability to integrate with various smart industrial equipment.
- Easy to use and implement.
- Quality data is stored in a purpose-built platform, which coordinate sustainable quality management practices.

## Knowledge / Wisdom

Corporate – enterprise reporting – with access to quality data from across the organization, executives can find and address improvement opportunities that will make the greatest impact. Quality data guides management decisions about resources, improvement projects, and future investment.

Drill down statistics – Statistical Process Control technique steps include detection, study, prioritization, illumination and charting.

## Key Takeaways

When you extrapolate insights from your quality data across your organization the value of the data expands. The quality data you're collecting today can do more for your organization tomorrow and in doing so proactively drive continuous improvement throughout the entire business.



Having enough data isn't a problem for organizations – but making sense of it is crucial. A quality management discipline standardizes data practices, so leaders have access to data when they need it and have confidence in the quality and compliance of that data.

**InterTech is ISO certified 9001/2015 and ISO accredited 17025/2015, so you can have confidence in both quality and security controls.**