



Utilities Information Solutions

**The Comprehensive
Source for Utilities
Information Including:**

- **Industry Codes & Standards**
- **Historical Codes & Industry Standards**
- **Supplier Catalogs**
- **Parts Information**
- **Government Specifications**
- **Validated Engineering Design Data**

Discover a Customized Solution from IHS

IHS Engineering is the leader in providing technical standards, specifications, logistics and parts information to corporations around the world. IHS products serve the critical information needs of many industries, including utilities, petrochemical and electronics.

Your business continually faces a competitive environment locally and globally. A comprehensive information solution from IHS provides immediate access to critical data needed to make strategic engineering,

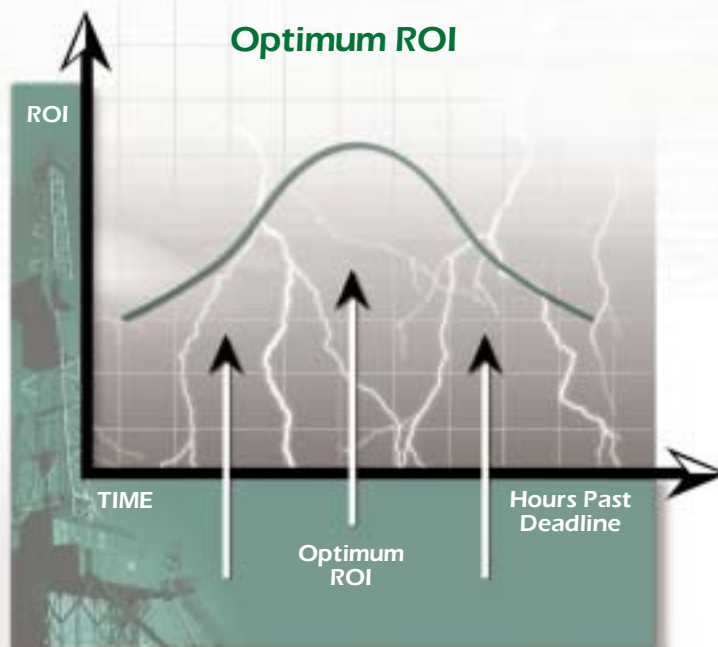
purchasing, maintenance and safety decisions that directly impact costs, time-to-market, product quality and process efficiencies.

Our single source solutions provide decision support at every level of the product development life cycle.

Maximize Return on Investment with an IHS Solution

IHS provides access to the most current and relevant information at your fingertips to:

- Minimize plant downtime resulting in cost avoidance
- Access the latest technology advancements to design at peak performance
- Curtail maintenance and repair costs
- Quickly locate replacements for obsolete parts and suppliers
- Access historical standards to ensure compliance
- Meet quality initiatives such as ISO 9000



There is an optimum amount of time you spend throughout your project activities in order to achieve the best return for the time you invested. IHS can help you streamline your workflow processes to help you manage required information more easily and efficiently.

Not enough time spent:

- errors
- increased costs

Too much time spent:

- plant downtime
- project delays
- lost revenue

Best Business Practices

Through Best Business Practices initiatives, engineers can maintain, modernize and repair utility plants to ensure utilization of the most current technologies and reduce costs.

To support these initiatives, IHS offers the following collections and features:

- Industry codes and standards, *current and historical*, including API, ASME, IEEE, AWS and ASTM
- Direct links from your internal documents to appropriate standards
- Comprehensive selection of manufacturers' catalogs
- Valuable parts information to locate current and obsolete parts

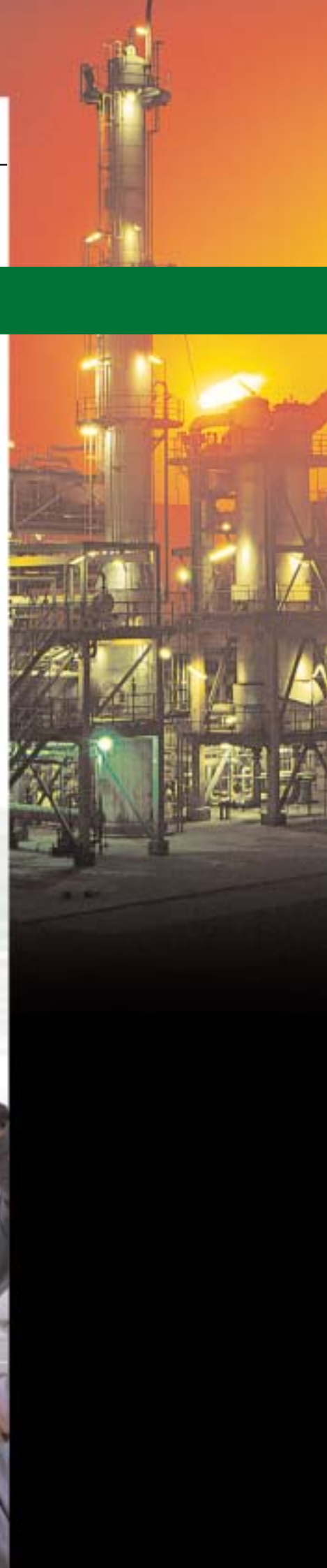
Reduce Research Times

IHS solutions accelerate the research process, eliminating the risk of hidden project costs and lost production time, by providing:

- Full-text searching capabilities that allow quick and direct access to a needed document by keyword or phrase
- The ability to explore all relevant databases in your standards subscription in a single search
- Single reporting functions with information on bibliographies, document histories and referenced documents
- Single source access to the most comprehensive manufacturers' data repository (catalogs, technical data sheets, parts and distributor information)
- Automatic updating

Now you can quickly access the information you need to:

- Reduce plant downtime
- Shorten acquisition times
- Maintain technological edge



Critical Information for All Phases

IHS can provide a comprehensive information solution for every phase of your workflow process. Save time, curtail costs, increase efficiency and assure safety with IHS products and services related to the utilities industry, including industry and government standards, supplier catalogs, parts information, engineering design data, integrated information solutions and more.

Engineering Process

❑ Research & Development

To determine the feasibility of the project based on identified requirements, you need accurate information from reliable sources. Awareness of technology advancements can improve your processes and output. Readily available research and technical information can greatly facilitate the R&D phase.

❑ Design

Form, fit and function requirements can have a significant impact on the time and money spent in the design cycle. Incorporating national consensus standards into your processes and internal specifications, adherence to quality standards, and compliance to regulations help contain unnecessary expense in rework or redesign.



Operations & Maintenance

❑ Operations

Assurance that continued peak operation over the life of the plant is paramount. Periodic inspection and component testing to acceptance standards are major requirements. Having codes, standards, supplier and parts information readily accessible greatly improves efficiencies and positively affect your bottom line.

❑ Maintenance

Making repairs and on-going maintenance can be challenging if you cannot access the information you need quickly and conveniently. Having complete manufacturers and parts data when you need it will reduce redesign and plant downtime.

of Your Workflow Process

❑ Information Resources

Locating and providing technical information is critical for operational excellence. Researching revised regulations to update required in-house documentation is difficult and time consuming. Complete indexing and intuitive search methodology saves time and effort in locating required documentation. A single source for all current and historical codes and standards is convenient and expedient.



❑ Compliance/Safety

Ensuring that processes are in compliance to codes, regulations and internal specifications is dependent on the related information being used. Immediate access to codes and standards can assure safe operations.



Working Together to Develop a Unique Solution

For over 40 years, IHS has been a pioneering force in managing information. We work directly with you to build links between your information and external data to create an integrated chain of technical information, accessible to your entire organization. To provide you with the broadest range of technical content, IHS maintains relationships with more than 450 of the world's leading standards organizations, over 16,000 manufacturers and key government agencies. We have also grown to serve more than 15,000 customers and 60,000 end users in over 90 countries. The following products and services are critical to the utilities industry:

Industry & Government Codes & Standards

Readily access current and historical industry standards, as well as government and military specifications for the utilities industry. Access electronic and hardcopy information from these organizations and more:

- API
- ASTM
- ISO
- AWS
- IEEE
- ANSI
- BSI
- NACE

ASME Boiler and Pressure Vessel Code in PDF format allows you to go directly to the code information in just keystrokes. Tables are searchable in line with all other text.

IHS TechConnect™

Increase your productivity and receive the fastest access to technical information with IHS TechConnect. This tool is a browser plug-in that allows you to turn any document or part number on your screen into links specific to the IHS standards, specifications and parts information you need. Reduce your search time by 75% or more!

Supplier Catalogs

Quickly locate cost-effective products from supplier catalogs by part number, manufacturer or keyword search functions with CatalogXpress® view:

- Illustrations
- Specifications
- Performance standards
- Tables
- Charts
- Historical vendor name cross-referencing

Parts Information

Depending on your needs, IHS offers robust databases of parts information: CAPS Expert™, HAYSTACK® and IHS Universal Parts Center™. Access databases:

- To search a comprehensive electronic component database
- To view current and historical parts
- To determine standardized part terminology



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▣ Validated Engineering Design Data

Our guidelines facilitate your water and/or fouling engineering design process and saves you time with a hands-on, practical online tool complete with:

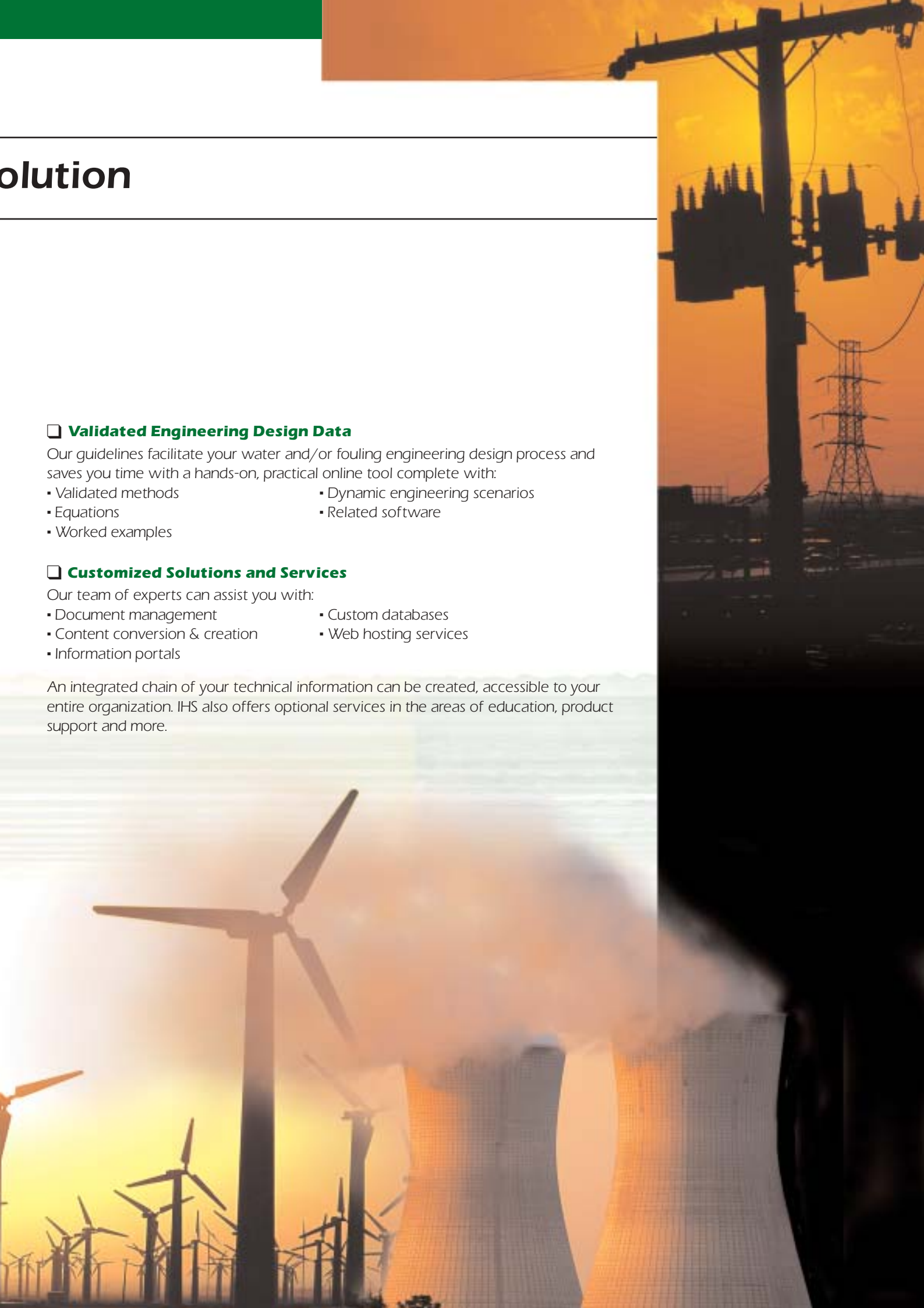
- Validated methods
- Equations
- Worked examples
- Dynamic engineering scenarios
- Related software

▣ Customized Solutions and Services

Our team of experts can assist you with:

- Document management
- Content conversion & creation
- Information portals
- Custom databases
- Web hosting services

An integrated chain of your technical information can be created, accessible to your entire organization. IHS also offers optional services in the areas of education, product support and more.



IHS provides a suite of critical information tools that are essential to your job

IHS's powerful desktop information tools provide immediate access to codes, specifications, standards, catalogs, parts, purchasing, regulatory and engineering information needed by professionals throughout the utilities sector.

Specifications and Standards - Quickly determine the best design process, maintenance and safety requirements with this collection of current and historical commercial industry standards and U.S. military specifications and standards.

Logistics Data - Access parts data for maintenance operations with immediate access to technical characteristics and alternate sources.

Validated Engineering Design Data - Save valuable research and design time. Access validated methods, dynamic engineering scenarios, equations, related software and more to simplify your engineering design process.

Industrial Parts and Equipment Catalogs - Cut sourcing costs and make better buying decisions with multiple sources for industrial parts and equipment.

IHS services come in many formats to meet your needs including:

- Internet
- Extranet
- Intranet
- CD-ROM
- Hardcopy

Customer Support

Our highly knowledgeable Support Specialists provide product assistance to help maximize your value from IHS products. Based on your individual Information & Education Services Plan, we can help you use our products more efficiently, provide documents and research assistance, resolve systems or access issues, and answer your subscription questions. We provide customer support that helps you succeed.

Customized Solutions and Services

In addition to being a leading worldwide provider of technical information, IHS offers customized services to increase productivity, curtail costs, ensure standards and regulation compliance, and improve information and workflow processes. Our team of experts can assist you with document management, data conversion, information portals, custom databases and Web hosting services to create an integrated chain of your technical information, accessible to your entire organization.

You may also choose from an array of optional services in the areas of application education, workflow process consulting, integration management, product support and more so you can better leverage your IHS solution towards a greater return on your investment. At IHS, we provide more than just information—we provide comprehensive and integrated solutions for all your information needs.

IHS-The Power of Integrated Information

15 Inverness Way East • Englewood, Colorado 80112-5776 • USA
tel: 800-716-3447 (USA) • +1-303-397-2896 (Worldwide)
fax: 800-716-6447 (USA) • +1-303-397-2410 (Worldwide)

For an IHS representative nearest you, please visit:

www.ihs.com

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