Employers expect entry-level engineers to be well-prepared for their jobs and to help solve the increasingly complex engineering problems in today’s world. Using the same engineering tools and resources as professionals in the field allows students to be better prepared for a technology-driven workplace and highly competitive job market.

Knovel delivers trusted, accessible and relevant answers and insights to accelerate foundational engineering knowledge, build expertise, and prepare students for a career in Engineering.
“I advise using Knovel as [it gives] comprehensive coverage of all disciplines, making [it] a logical starting point”

—Librarian, ecu.edu.au

EDUCATORS
Academics today juggle cutting-edge research, industry collaborations, as well as teaching and mentoring. Knovel provides access to knowledge from across disciplines integrated with an industry-leading information system—empowering educators to create strong academic programs and better train students for the future.

STUDENTS
Today, expectations from freshly graduated students are higher than ever before. Knovel’s Dynamic content, trusted references, scientific literature and industry best practices are accessible through an intuitive user interface in a platform that is leverage by top engineering firms around the world.
“[I] can’t imagine research without Knovel”
—MS Student, Drexel University

Over 65 Million interactive and searchable data points spread over 40 engineering subject areas PLUS Material databases covering everything from mechanical to chemical properties data, corrosion data and material properties.

Faster path to results by highlighting and suggesting a focused set of concepts, letting users narrow down from large, unfiltered Search Results.

The My Knovel ToGo app grants mobile access to results, extending the reach of Knovel beyond the office, reducing project delays.

ESSENTIAL ANSWERS

ACCELERATED DISCOVERIES

CONTINUOUS ACCESS
Foster success in the classroom and beyond by giving students new perspectives on information, its value and its uses

Knovel gives students hands-on experience to solve problems

As digital natives, students today experience information differently. A key aspect of facilitating their training is teaching them skills to build on that experience and succeed as professional engineers. Knovel’s dynamic content, valuable databases, trusted engineering references, literature, and industry best practices form a unique training environment for students to:

- Discover essential engineering references
- Establish valid information sources and learn about best practices
- Gain hands-on experience exploring possible solutions to problems
- Use data to test ideas, assess feasibility and determine best course of action
- Build experience using a platform leveraged by top engineering firms worldwide

Boost student productivity

Enable students to accomplish more. Knovel grants access to the same content from trusted engineering references in print, but the power to find and use that content more easily.

Let students be engineers

Experience promotes learning. Integrated into assignments, Knovel becomes a platform where students can evolve their problem-solving skills and learn about challenges of research, development and manufacturing.
Empower faculty and staff with a unique platform that spans disciplines and catalyzes advances across industries

Competitive research programs that engage industry

Knovel supports smart design and agile production in industry

Researchers and educators at academic institutions are bridging the gap between academia and industry. On one hand, cutting-edge academic research drives new solutions for industry challenges. On the other hand, collaborations among organizations are foundation for the productive exchange of ideas and talent.

Knovel is invaluable for such research programs as it facilitates new perspectives based on a broad, interdisciplinary knowledge base.

Knovel supports research that engages industry:

- Smart search capabilities deliver answers and insights from across disciplines
- Productivity tools allow using, saving and sharing information with a few clicks
- A modern user interface provide a tailored and targeted search journey

Users consult up to 15 different subject categories in Knovel for their core work.

A tailored subscription

Subscription to Knovel can be tailored. Only those subjects relevant to existing academic programs need to be included, and the menu of subscribed content can always be adapted.

Investing in success

Resource investments in academia must deliver a return. Knovel supports student learning outcomes, and augments the relevance of engineering programs.

Figure 2. The broad interdisciplinary content of Knovel is highly valuable for Engineers across industries. Source: 2017 Knovel Users Survey.
"Woah, this is cool! ... I can refine the search easily, it’s far more intuitive—better than Google!"
—Undergrad Sophomore Student (First time Knovel User)

How Knovel delivers
Essential answers: Get to the best answer

The rich content of Knovel is accessible through streamlined search, direct problem solving capability through interactive tools, and materials & properties data. This unique combination helps engineering students in feasibility studies, material selection, operational improvements, and more.

Figure 3. User-defined searches or viewed content, as well as tools like interactive graphs and a unit converter, are just a click away.

Accelerated discovery: Answer the question quickly

A user interface designed for engineers makes discovering insights quick and easy. Knovel’s Material Property Search provides dual functionality—search for properties of a given material OR find a material that satisfies a given set of properties. The “Refine by” tool extracts engineering concepts from search results to declutter results, and discover connected content.

Figure 4. Material Property Search offers intuitive drag-and-drop functionality.
Figure 5. The unique “Refine by” is a taxonomy-based search filter that serves as a great learning tool.
How Knovel delivers

Continuous access: Access answers anywhere

Knovel is designed for using information. Thus, plug-ins enable content interoperability with essential engineering tools and software, like AutoCAD, Inventor and Excel. Furthermore, the MyKnovelToGo app grants mobile access to results, extending the reach of insights beyond the office and eliminating project delays.

Figure 6. The MyKnovelToGo app for Tablets & Smartphones is available on iOS (App Store) and Android (Play Store).
KNOVEL

Knovel is an engineering decision-support solution enabling engineers to solve problems faster. With powerful search and interactive analytical tools, engineers can confidently find answers to technical questions through best practice insights, validated equations and materials and substances data from more than 140+ providers. For more than 15 years, Knovel has helped thousands of engineers and researchers from leading companies and institutions around the world enhance research and productivity, achieve operational excellence, reduce costs and time to market and build expertise.

Learn More

To request information or a product demonstration, please contact us at elsevier.com/knovel/contact-sales.

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