



Elsevier R&D Solutions

# Knovel<sup>®</sup>

Preparing students for a career in engineering

Knovel is an engineering decision-support solution delivering best practice insights, material and substance properties data, and validated equations through powerful search and interactive analytical tools.



# Knovel®

## Preparing students for a career in engineering

### FOSTERING SUCCESS IN THE CLASSROOM AND BEYOND

Using the same tools as professionals in the field better prepares students for a highly competitive workforce. Used by hundreds of thousands of professors, researchers, and students from top engineering schools worldwide, including leading universities for Mechanical, Aeronautical, Chemical and Manufacturing Engineering, Knovel helps engineers save time, integrate technical information into their work, and expand their knowledge. Whether users need to look up a chemical formula, compare properties of substances or get general reference information about new topics, Knovel supports engineering education and research needs.

“[Knovel] is very precise, particularly in data searching, where it goes down to the cell level in a table.”

–Ben Wagner,  
Subject Specialist at the University of Buffalo

“[Employers expect the] ability to work in project mode using specialized tools from anywhere in the world ... Knovel enables students to become familiar with this type of approach.”

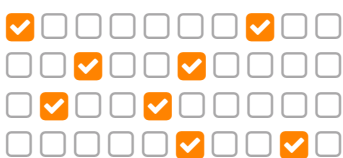
– Jean-Marie Barbiche,  
Head of Library for Ecole Centrale Paris

“Knovel for me is an irreplaceable resource. It helps me grow the breadth and depth of my engineering knowledge.”

– Zachary Brown, Structural Engineer and Former Student at University of Washington-Seattle

40+

technical reference & premium content offerings



### GIVE STUDENTS AND RESEARCHERS THE FUNDAMENTALS & DATA FOR SOLVING TODAY'S PROBLEMS

Knovel offers general reference and best practice insights, process and design applications, material and substance properties data, and equations for specific engineering disciplines:

**Over 40+ technical reference and premium content offerings** that make subscriptions easy to tailor for an academic institution's relevant programs and areas of research focus.

**Unique tables and materials and substance databases** that are developed by in-house and 3rd party industry and engineering experts to provide exceptionally effective and convenient ways to access hard-to-find data for solving applied engineering problems.

Knovel delivers vital technical data alongside powerful search and analytical tools for engineers.

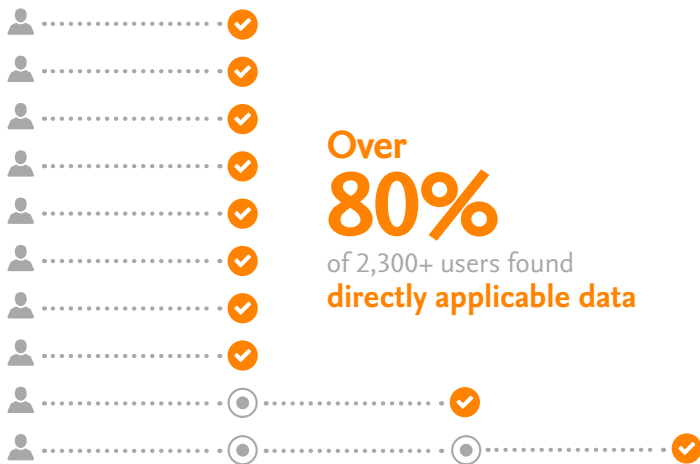


### ENGAGE TECH SAVVY USERS WITH INNOVATIVE TOOLS AND A BEST-IN-CLASS SOLUTION PLATFORM

Knovel offers interactive tools for initial calculations, engineering-focused and data search features, mobile capabilities and integrations with commonly-used engineering software and applications:

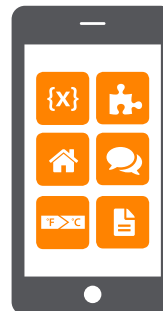
**Engineering-focused search that is extremely simple, powerful** and built upon a deep understanding of the engineer's 'language' to deliver relevant results. It finds data hidden in tables, graphics and equations, allows numeric range search, automatically performs unit conversion and performs multivariable searches.

**Easy-to-use tools such as Interactive Equations and a Unit Converter**, as well as a breadth of interactive content that allows users to customize data before integrating into their work.



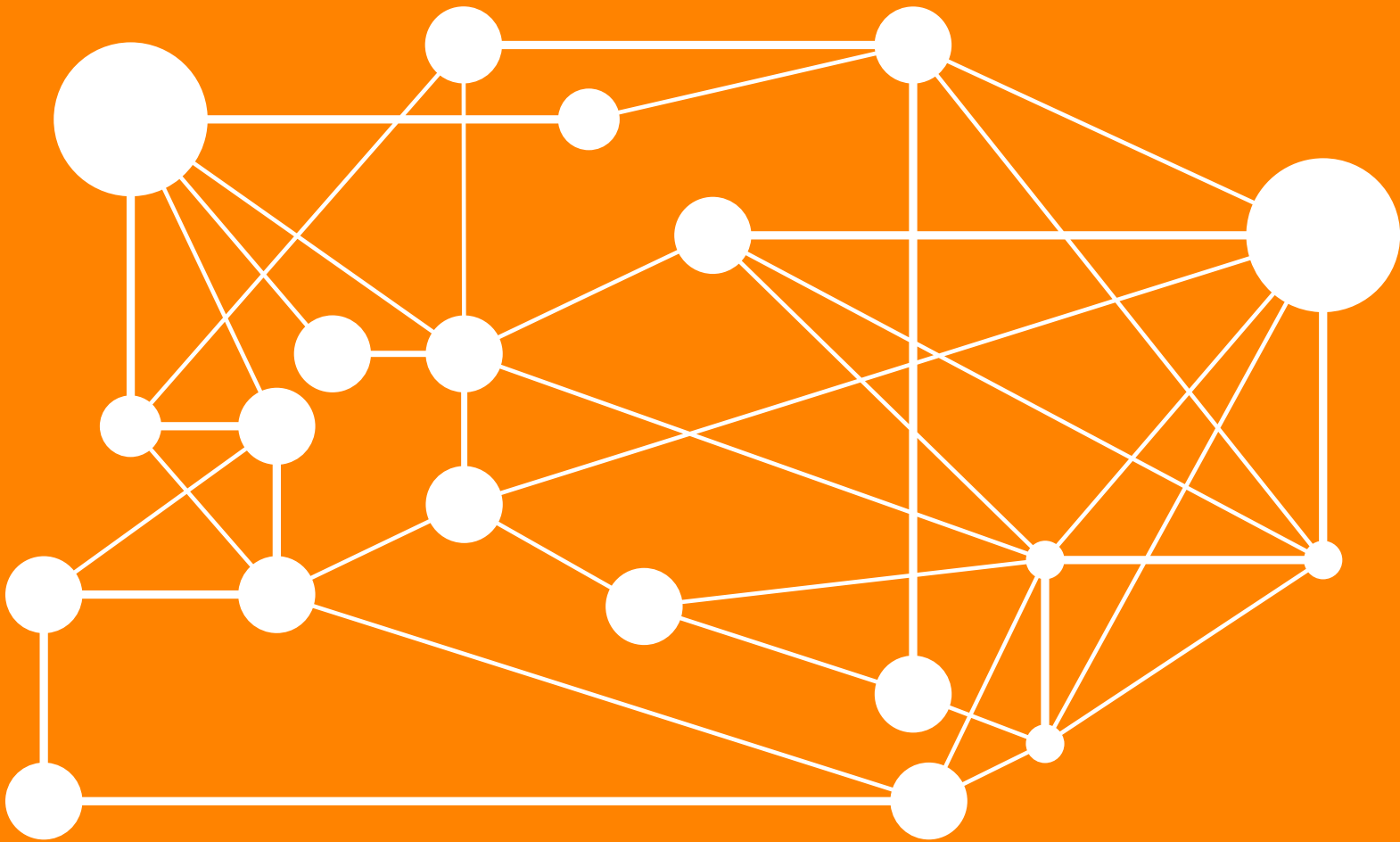
### THE KNOVEL DIFFERENCE:

- Customizable Subscription with Long-Term Value:** Knovel boasts 40+ technical reference and premium content offerings, making it easy to tailor a subscription for an institution's needs. Each offering is focused on an area of engineering expertise and curates expert sources. New providers and content are added regularly.
- Easy Onboarding and Management:** 80% of 2,300+ surveyed Knovel users indicated they found directly applicable data for projects. Knovel provides a streamlined user experience across all 120+ providers, requiring minimal training and offers tutorial videos and training from a product specialist at **no additional cost!** In addition, Knovel supplies robust technical capabilities for usage reporting and user management.
- Easy to Integrate and Portable for Mobile Users:** With search widgets that are easy to embed in intranets, mobile access and flexible authentication methods, Knovel strategically enhances existing institution knowledge management systems and workflows.



**portable and easy**  
to integrate tools and content

Visit [elsevier.com/knovel](https://elsevier.com/knovel) to learn more



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