

# ENGINEERING

## Streaming Video Collection



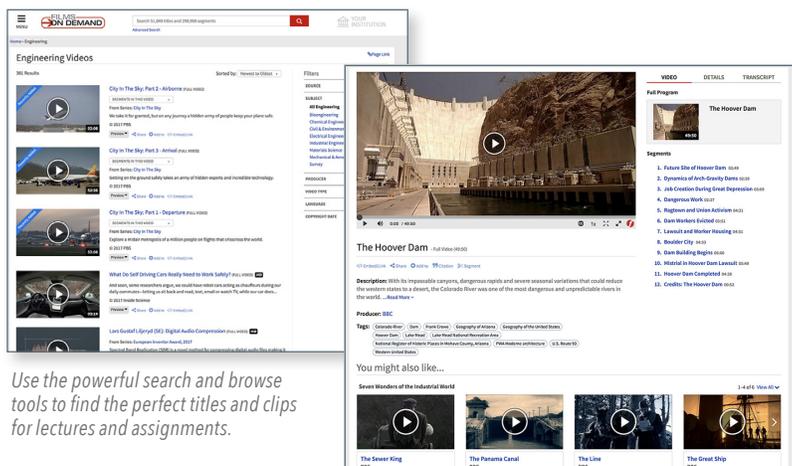
### Includes:

- Bioengineering
- Chemical Engineering
- Civil & Environmental
- Electrical Engineering
- Industrial Engineering
- Materials Science
- Mechanical & Aerospace
- Survey

**6,125+ video clips, 720+ full-length videos—and growing!**

From massive public projects like the Hoover Dam to the incredibly small science of nanotechnology, this growing collection provides coverage of the widespread and interdisciplinary fields of engineering. Documentary films, scholarly presentations, and instructional videos cover chemical, civil, electrical, and mechanical engineering as well as bioengineering and materials science.

- Conveniently segmented for lecture and in-class use
- Unlimited access from any location—on campus or off
- More than 320 hours of educational videos, lectures, and documentaries from top producers
- Custom Content Upload Option
- Captions, interactive transcripts, citations, Google Translate, and more
- New videos added at no additional cost
- Easily embed videos into Canvas, Blackboard, Moodle, or other CMS
- Tablet, mobile, PC & Mac friendly
- Create and share personalized playlists using segments from multiple videos
- Add a personalized video introduction to any playlist you create
- Keyword tags for all content, linking to related material



Use the powerful search and browse tools to find the perfect titles and clips for lectures and assignments.

Once you find the clips you need, use the Add to Playlist tool or the embed code to provide instant access for students through your online course management system.

## ENGINEERING STREAMING VIDEO COLLECTION

All titles are segmented into short, pedagogical clips, ideal for intermittent use during classroom lectures. For classwork viewing, students can choose to watch an entire film without interruption. Titles within the collection are sorted across more than 30 distinct, browsable subject categories (e.g., Electronics & Microelectronics, Drafting & Design, Civil & Environmental), enabling refined searches for available titles in specific topic areas.

**How to Build...** Three-part series that uses extraordinary access to some of the world's most advanced and closely guarded engineering processes to reveal the beauty, ingenuity, and complexity of building high-performance vehicles.

### Collection Highlights:

**EXCLUSIVE**

**Blueprint Fundamentals**—A no-nonsense overview of how to interpret and read blueprints across several disciplines.

**EXCLUSIVE**

**Nanotechnology: The Power of Small—A Fred Friendly Seminar**—

A widely acclaimed three-part series, hosted by Peabody Award-winning journalist John Hockenberry, on the social, ethical, and personal implications of advances in nanotechnology.



**Tomorrow's World: A Horizon Special**—

From the entrepreneurs who are driving a new space race to the Nobel Prize-winning scientist leading a nanotech revolution, this BBC special is a tour of the people and ideas delivering the world of tomorrow, today.

**More than 100 episodes of Modern Marvels**, featuring the science and engineering behind the materials, structures, machines, and inventions that make up the modern world.

**European Inventor Award 2017**—

A 15-part series where inventors respond to the challenges of our time as well as contribute to social progress, economic growth, and prosperity with topics such as lab-grown human organs, a super sponge for oil spills, and more.

**EXCLUSIVE**

**Understanding Electronics**—

A six-part series that helps develop hands-on knowledge and conceptual understanding in a variety of electronics fields (health care, communications, industry, transportation, environment, and computing) by using case studies, first-rate technical expertise, and high-energy video productions.



**The Age of Robots**—

A six-part journey through the state of the art of robotics and artificial intelligence.

**World's Toughest Fixes**—Two full seasons of the National Geographic series featuring engineers doing repairs or renovations on equipment that is very large or dangerous—from high-voltage power lines and a Mars antenna, to a Boeing 767, an atom smasher in the LHC, and more.

**More than 40 TED Talks** focusing on the cutting edge of engineering, with presentations on robotics, 3-D printing, artificial intelligence, wireless technology, bioengineering, and more.



**Great Projects: The Building of America**—

A four-hour PBS series that highlights the masterworks of American engineering that have transformed the United States and enabled it to prosper as has no other nation in modern history.

**EXCLUSIVE**

**Seeing Science: Engineering**—

Eight visually spectacular shorts show frontline discoveries in engineering and the people who have helped make them happen.

**City in the Sky**—Three-part series that takes viewers around the world to uncover the invisible global networks and complex logistics that make air travel possible. Discover how aircraft are prepared for takeoff, examine what happens in flight, and look at what it takes to bring flights safely back down to earth.

**When a Bridge Falls**—Examines how, at the height of rush hour on August 1, 2007, in Minneapolis, Minnesota, a bridge carrying eight lanes of I-35W over the Mississippi River suddenly collapsed, sending cars and trucks plunging into the water below.