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ENGINEERING

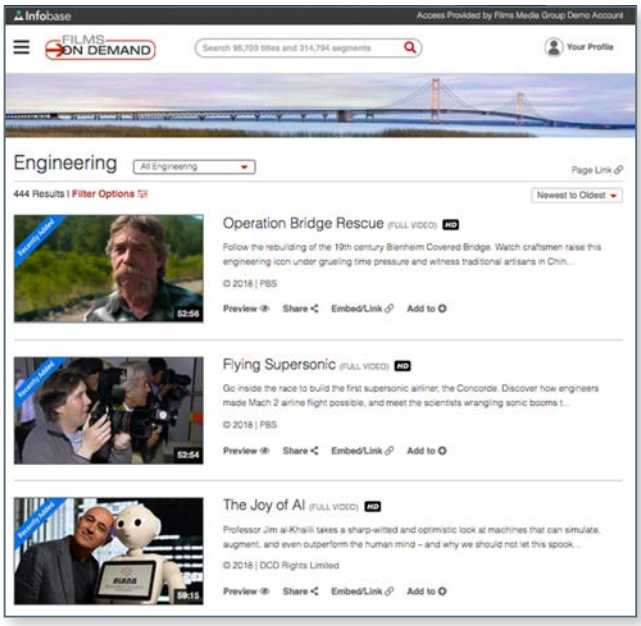
Streaming Video Collection

Includes:

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

6,580+ video clips, 800+ 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.



Use filters to find the perfect titles and clips for lectures and assignments.

- Unlimited access from your computer/laptop, tablet, or phone—on campus or off
- Create and share playlists—use premade clips, full videos, or custom segments to engage students
- Add a personalized video introduction to any playlist you create
- Upload the proprietary digital video content you already own and use (like lectures, seminars, etc.) to the platform
- Captions, interactive transcripts, citations, Google Translate, and more
- New videos added at no additional cost
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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 distinct browsable subject categories enabling refined searches for available titles in specific topic areas.

Collection Highlights:

EXCLUSIVE

***Blueprint Fundamentals*—**A no-non-sense 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 90 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.

***2077—10 Seconds to the Future*—** With the aid of theoretical physicists, pathologists, and geopolitical forecasters, this four-part series connects the present with the past to show us how we can influence the future.

Multiple **TED Talks** focusing on the cutting edge of engineering, with presentations on robotics, artificial intelligence, wireless technology, bioengineering, and more.

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.

***Cyborgs: Human Machines*—** Humans are fusing their bodies with technology to increase their abilities and expand their senses: injecting magnets to sense electromagnetic fields; inserting chips under the skin to open doors; and implanting devices to sharpen their senses. Who are these people and what drives them?

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.

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