



National Museum *of* Industrial History

MODERN STEEL: EDUCATIONAL KIOSK



The National Museum of Industrial History, in affiliation with the Smithsonian Institution, seeks to forge a connection between America's industrial past and the innovations of today by inspiring the visionaries of tomorrow. We are conveniently located in Bethlehem, PA, a short drive from Philadelphia and New York City.

The National Museum of Industrial History, a Smithsonian Affiliate, is undergoing a multi-year expansion to double our exhibit and programmatic space, creating opportunities for additional interpretation of the steel industry. We seek to convey that the modern steel industry is alive, well and full of innovation and opportunities for careers for the next generation.

Within the framework of historical manufacturing, the Modern Steel Kiosk will highlight the steel industry of today, allowing visitors, and most importantly students, to explore and learn about careers, technology, and innovative techniques in steel manufacturing.



How the Steel Industry can help:

1. Financial support
2. Content resources
3. Promotion & Outreach

FUNDRAISING GOAL \$60,000

MODERN STEEL KIOSK

The Iron & Steel Gallery at NMIH currently interprets the early days of the industry as it transformed the American industrial landscape through the 20th century. Visitors learn about historic steelmaking processes and technology. Exhibits focus on the steelworker, engineer, researcher, and employee of the past century. The installation of the Modern Steel Educational Kiosk in this gallery will deepen the visitor experience by introducing the technologies and techniques used today.

The ADA compliant kiosk will feature interactive screens for visitors to engage with content about the modern steel industry, including Careers, Technology, Product, and Sustainability. Visitors from the general public as well as school groups will have the opportunity to watch videos of modern processes inside a steel mill, explore 3-D models, and investigate career pathways into the industry. Once launched, this kiosk and its content has the potential to be replicated for venues throughout the country.



EDUCATION

Schools field trips are available for grades K-12 and led by an experienced Museum Educator. Students are guided through a curated and interactive tour of the Museum galleries. The experiences include S.T.E.A.M. hands-on activities, facilitated discussions and debates, oral histories, and workshops.



We also offer **digital resources** that can be explored and used as complete lesson plans, supplementary information, fun interactives, and engaging activities while connecting students to NMIH.

Our reach has gone international! With our **interactive distance learning programs**, students can zoom LIVE with a museum expert as they are virtually guided through the galleries with this fun interactive experience.

NMIH ANNUALLY SERVES
3,000 school children
&
15,000 visitors
from all 50 states and 20 countries

CAREER PATHWAYS

Career Pathways is a nationwide program by the U.S. Department of Education that helps students to decide what they would like to do after high school based on their abilities and interests. The program sets them up for success by pairing their K-12 education with secondary education options to set them on a career path.

This kiosk supports the Career Pathways program through the S.T.E.M. tract as we help align students' education with valuable career and technical resources to promote an important development strategy for building America's steel industry workforce. Rewarding careers in iron and steel await for the next generation of operators, engineers, scientists, managers, and business leaders.





SITE HISTORY

On this site exists the earliest and best-preserved historic integrated steel facility in the world.

The Bethlehem Plant's first blast furnace began making iron in 1863 and, in 1873, the first steel was produced to be rolled into rail. By the 1880s, more iron was produced in Pennsylvania than in any other facility worldwide. Expansion came in the 1880s with the U.S. Navy's full contract with Bethlehem to rebuild its fleet.

Bethlehem Steel flourished during the 20th century, acquiring other companies and significantly contributing to America's economic growth. It is estimated that 80% of the Manhattan skyline was built by the Bethlehem Beam. Much of the armaments used by the United States Armed Forces in both World Wars, were produced by Bethlehem Steel. During World War II, the company built 1,121 ships and repaired nearly 38,000 ships - far more than any other builder.



WHY BETHLEHEM?

NMIH is identified in the Northampton County Historic and Cultural Assets Plan as one of the high quality historic and cultural attractions that form the core of the Lehigh Valley's heritage tourism industry, playing a key role in establishing an identity for the community and fostering community revitalization.

Lehigh Valley Visitorship Stats 2022

We are located:

- 55 miles from Philadelphia
- 90 miles from New York City
- 175 miles from Washington D.C

People came for:

- 10.6 million day trips
- 4.6 million overnight stays

The Historic Moravian District of Bethlehem has submitted to be included as a **UNESCO World Heritage Site**, with the potential to draw even more visitors to the area.

The Bethlehem Plant ceased integrated steel production in 1995, and over the next several years, closed facilities and sold off assets. However, the heart of the earliest operations in the Plant remains:

Lehigh Heavy Forge still makes specialty forgings and the former Bethlehem Railroad and Intermodal facility still regionally transport material. Today, what was once the largest privately owned brownfield in the nation is now home to a burgeoning arts and cultural campus, inspiring the next generation of innovators to reach new heights.





PARTNER WITH US!

If you would like to partner with us as we continue to grow and develop our content related to the steel industry, please visit www.nmih.org/kiosk or contact the National Museum of Industrial History.

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