

NIKOLA TESLA
SERBIAN AND AMERICAN

1856 - 1943
Smiljan New York City

$$T = \frac{Wb}{m^2}$$

Tesla Science Center at Wardenclyffe

ANNUAL REPORT 2022



EXECUTIVE DIRECTOR'S MESSAGE

2022 was a year marked by progress in core mission areas: laboratory restoration, education, and Tesla's legacy. Laboratory renovations were at the forefront as we made breakthroughs in obtaining the permits and approvals needed to continue restoration, working with officials at the County, State, and Federal levels. We are now entering the next critical phase of demolition and construction. This vital restoration work not only helps ensure the building's preservation, but it is the next step toward development of the laboratory into a museum and science center.

TSCW also gained crucial support and funding in 2022, including a Save America's Treasures grant for \$500,000 from the US National Park Service. This coveted grant is an important indication of TSCW's progress and potential. TSCW acquired more than \$500,000 in additional funds from key donors and philanthropic organizations. Our 4th Annual Gala fundraiser honored a true Tesla of Today, Dr. Arogyaswami Paulraj, with an innovative event that gathered leading technologists, entrepreneurs, educators, and supporters. The TSCW Board expanded in 2022 with four new members who add substantially to our non-profit's leadership, experience, and diversity. We are privileged indeed to have strengthened our support base and Board with such esteemed organizations and individuals.

A key part of our mission is to provide innovative learning experiences, and it was great to be able to welcome more people to Wardenclyffe for events in 2022 as covid restrictions eased. A highlight of the year was the Tesla Birthday Expo which featured the world's largest Tesla coil—the event drew over 2,300 people who experienced an interactive expo of robotics, radio, STEAM displays, TESLA vehicles, and 40-foot Tesla Coil Show. We also expanded historic tours of Wardenclyffe to visitors from across the globe. Throughout the year, we brought an array of hands-on exhibits to schools, libraries, fairs, and conferences. TSCW capped off the year with a Holiday Lighting event that gathered the community for a unique STEAM-focused celebration.

Nikola Tesla's bold spirit of innovation is a driving force behind our mission, and it guides all of our efforts. We embrace innovation in our plans, we tap into it to overcome challenges, we find innovative ways to continue his legacy and inspire others to innovate for the benefit of humanity. As we enter a new year, we look forward to making an even greater impact with the same innovative, humanitarian spirit. Thank you to the many supporters, sponsors, volunteers, and members who helped us successfully fulfill our mission in 2022 and stand by us to make an impact in 2023 and beyond.

With gratitude,

Marc Alessi
Executive Director

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Judith Murrah

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Debbi Price, Director of Visitor Experience
Danielle Butler, Director of Development
Marc Saffren, CFRE, Director of Philanthropy
Connor Flanagan, Collections Manager
Ed Wilson, Director of Amateur HAM Radio
Jeffrey Velez, IT Services
Jennifer Rocca, Office Administrator

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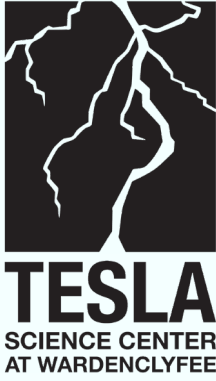
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OUR STORY

MILESTONES TO SAVING TESLA'S LAST LAB

Wardenclyffe is the only remaining laboratory of one of history's greatest inventors, yet ten years ago it was in danger of being demolished. Here is the story of how a world of supporters joined our mission to save Tesla's last standing laboratory.



FRIENDS OF SCIENCE EAST, INC.

A local group of educators and civic leaders formed a nonprofit named Friends of Science East, Inc. with a mission to preserve Wardenclyffe. They garnered support, raised awareness, and began fundraising efforts. FSE later formed Tesla Science Center at Wardenclyffe (TSCW) with a goal to purchase the lab and renovate it into a science museum dedicated to Tesla's legacy.



TESLA & WARDENCLYFFE

In 1901 Tesla bought 200 acres in Shoreham, NY, and named the site Wardenclyffe with a goal to build a Radio City. The project was financed by JP Morgan and Tesla hired the firm of renowned architect Stanford White to build a laboratory. Tesla also built a 187-foot tower for transmitting power and communications wirelessly. Morgan withdrew financing in 1903 and the tower was dismantled in 1917 and sold for scrap to settle Tesla's debts. Though unable to raise additional funds to complete Wardenclyffe, Tesla worked for many years to resurrect the project.



COMMERCIAL USAGE

During this time, Wardenclyffe was used commercially by a photo processing company that built numerous structures on the site until vacating Wardenclyffe in 1987.



HISTORIC CROWDFUND

In 2012 time was running out: Wardenclyffe was for sale and slated for demolition. An urgent call for support was posted on social media by Jane Alcorn, founding Board President. Response was immediate and soon became a movement with the support of internet cartoonist Matt Inman, who launched a crowdfunding that became a record-breaker: within six weeks, \$1.3 million was donated by 33,000 supporters from 108 countries. This was enriched by a \$1 million donation from the Musk Foundation and a \$850,000 grant from the State of NY. These funds enabled TSCW to purchase the property and perform immediate work needed to preserve the deteriorated laboratory.



WARDENCLYFFE SAVED

Crowdfund donations were used to purchase Wardenclyffe in a landmark moment on May 2, 2013.



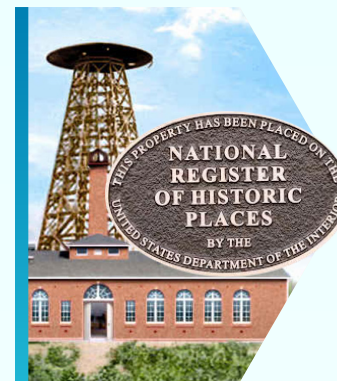
BRICKS FOR NIK

A bronze statue of Tesla was presented to TSCW by then-President of the Republic of Serbia, Tomislav Nikolic, as a gift from the Serbian people. The statue inspired a unique Bricks for Nik fundraiser where supporters donated personalized bricks that were used to build a plaza to showcase the statue. Bricks for Nik Plaza is now one of Wardenclyffe's most popular features where visitors explore thousands of bricks inscribed with inspirational messages, cryptograms, images, even marriage proposals.



GROWTH & GALA

TSCW experiences exponential growth in memberships, programming, and volunteers. Attendance at events double or triple. In September, TSCW kicks off a successful inaugural Gala that exceeds fundraising goals.



NATIONAL HISTORIC REGISTER

Wardenclyffe is placed on the US National Historic Register, hitting another record for highest number of endorsements. TSCW also launched a new website that energized an increase throughout 2019 in memberships, event attendance, online followers, and volunteers.

OUR MISSION

To develop the site of Nikola Tesla's last remaining laboratory into a transformative global science center that embraces his bold spirit of invention, provides innovative learning experiences, fosters the advancement of new technologies, and preserves his legacy in the Tesla Museum.

OUR VISION

A world where people appreciate Nikola Tesla's contributions, are inspired by his scientific audacity, and engage in the future betterment of humanity.



PROGRESS

Amid the pandemic, TSCW expands virtual education and enrichment programs to thousands worldwide. Critical renovations to the chimney and cupola of Tesla's lab are completed and celebrated in a global event. The 2nd Annual Gala honors Vint Cerf, "One of the Fathers of the Internet," and exceeds goals. Visitor Center exhibit plans are developed, site plans are finalized, and permits submitted in preparation for Phase II renovations.



GRANT & REMEDIATION

TSCW is awarded a Save America's Treasures grant for \$500,000 from the US National Park Service. Remediation of the interior of Tesla's laboratory begins in 2022, marking an important milestone. Events expand and over 2,300 visitors come to Wardenclyffe for the annual Tesla Birthday Expo to experience the world's largest Tesla coil.

1901–1920s

1930–1987

1996 2012

2013

2018

2019 2021

2022

KEY PROGRESS IN 2022

CAPITAL CAMPAIGN PROGRESS

In 2022, TSCW made breakthrough progress in our mission-focused goal to develop Wardenclyffe into a transformative global science center and Tesla Museum.

- Obtained critical permits and permits needed to begin the next phase of renovations
- Started first stage of remediation work on the interior of Tesla’s laboratory
- Finalized Visitor Center site plans with construction set for 2023
- Acquired demolition experts to begin removing non-historic structures in 2023 that threaten the preservation and development of Tesla’s historic lab

FUNDRAISING & SUPPORT

We raised over \$1 million in funding in 2022 that not only directly supports our mission-based efforts and operations, but opens the potential for expanded funding opportunities such as grants and support from Federal, State, and non-profit resources, as well as philanthropic foundations and private donors. With the help of supporters from around the world, we reached a fundraising goal of \$125,000 for the year-end TSCW Annual Drive, including matching funds from a private donor. Major gifts to TSCW in 2022 include:

- \$500,000 Save America’s Treasures, National Park Service
 - \$125,000 Samueli Foundation
 - \$100,000 Softheon
- \$100,000 MUSK FOUNDATION
 - \$100,000 Dusan Stojanovic
 - \$100,000 Ludwick Family Foundation

EDUCATION & ENRICHMENT PROGRAMS

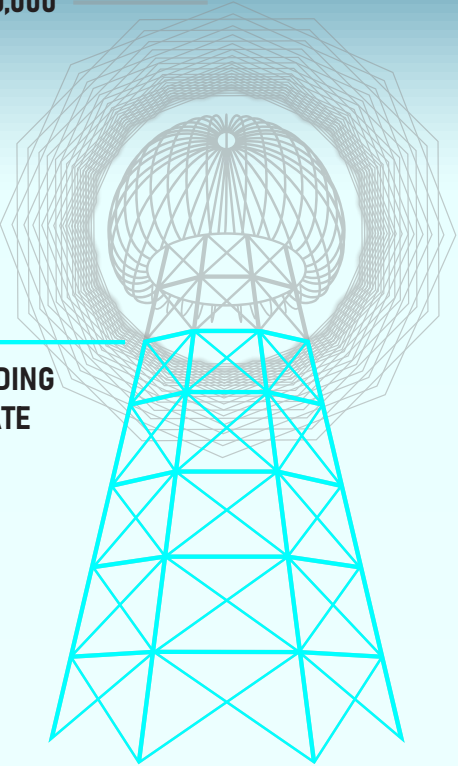
- Tesla Tribute
 - “Invisible Threads” Documentary Screening
 - Metal for Tesla Recycling Events
 - Tours of Wardenclyffe
 - “Tesla Unwired” Webcasts
 - Long Island Maker Faire
 - HOPE Conference
 - Tesla Birthday Expo
 - Longwood Fair
- LI Paranormal Investigators Tour
 - International STEM Career Day
 - International Museum Day Exhibit
 - STEAM Exhibits at Schools, Libraries, Conferences, Fairs
 - STEM Trade Show for Youth Entrepreneurs
 - 4th Annual Global Gala
 - Holiday Lighting
 - Volunteer BBQ



MUSK FOUNDATION



\$20,000,000



\$11,201,000
CAPITAL FUNDING
RAISED TO DATE

2022 STATS



26 BOARD AND
STAFF MEMBERS



411 VOLUNTEERS



246 MEMBERS



258,765 LBS. (128.4 TONS)
OF METAL RECYCLED FOR
METAL FOR TESLA

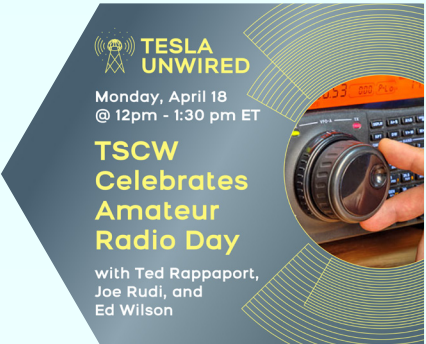


73,630 SOCIAL
MEDIA FOLLOWERS



214,498 CONSTITUENTS

OUR IMPACT IN 2022



WINTER 2022

- Tesla Tribute - Virtual global event featuring history and documentary videos, music, and trivia in tribute to Nikola Tesla's life and continuing legacy of innovation
- "Invisible Threads" Screening - Exclusive preview of a new documentary focused on radio history from award-winning filmmaker and Tesla historian, Joseph Sikorski
- Metal for Tesla - Recycling fundraiser with youth recycling activities, upcycling station, and community entertainment
- STEM Events - TSCW offers exhibits and presentations for all ages at schools, libraries, conferences, and events

SPRING 2022

- Laboratory Remediation Begins - Critical cleaning and remediation work begins on the interior of Tesla's historic laboratory
- Tours of Wardencllyffe - Historic walking tours of the grounds are expanded in response to growing requests from local, national and international visitors
- North Shore Rails to Trails - Official trail opening is launched at Wardencllyffe in recognition of the site's importance in railroad history and role in tourism for the present and future
- "Tesla Unwired" Webcast - World Amateur Radio Day - This global webcast featured two famous HAM Radio enthusiasts: baseball legend Joe Rudi and the inventor of 5G, Ted Rappaport, for a discussion on the history and future of Amateur Radio
- STEAM Events - TSCW provides exhibits and presentations for school STEM Nights, International Museum Day, Mosaic Street Festival, STEAM Expos, and other educational events

SUMMER 2022

- Laboratory Remediation Continues - Experts in historic preservation and remediation continue work on the lab interior, removing decades of debris
- LI Maker Faire - TSCW lit up a special dark space area with Tesla coils, lightning machines and other electro-magnetic models
- HOPE Conference - This Hackers of Planet Earth event connects us with tech innovators, STEAM enthusiasts, and Tesla fans
- Tours of Wardencllyffe - Historic walking tours of the grounds are offered throughout the summer for global visitors
- STEM Events - TSCW brings interactive exhibits to numerous summer fairs, festivals, STEAM camps, and conferences



FALL 2022

- Tesla Birthday Expo - TSCW presents the world's largest Tesla coil and draws over 2,300 visitors to Wardencllyffe for robotics, radio, history, STEAM exhibits, and 40-foot Tesla Coil Show by Lightning on Demand
- Volunteer BBQ - A dedicated group of supporters gathered on Tesla's tower base to celebrate their valuable contributions and relax with fellow volunteers
- Save America's Treasures Grant - TSCW receives this highly coveted grant for \$500,000 in capital project funding from National Park Service
- Laboratory Remediation - Efforts continue with progress being recorded by drone, video, and photograph
- STEAM Events - TSCW helps electrify fall festivals and school programs with hands-on exhibits and STEAM activities.
- Investigative Tour of Wardencllyffe - Special night tours are conducted by Long Island Paranormal Investigators using a variety of electronic sensors and equipment
- 4th Annual Global Gala - TSCW honors Dr. Arogyaswami Paulraj, inventor of the MIMO technology that enables high-speed internet, in a virtual Gala that gathered global innovators, educators, and supporters for unique entertainment and networking
- Holiday Lighting - Hundreds participated in a unique celebration that included a light show with music, snow machines, holiday theme STEAM exhibits, tree decorating, and visit from Santa and Mrs. Claus. In 2023 we introduced a tower of lights built by volunteers.



2022 EVENT STATS



30+ TOURS OF
WARDENCLYFFE



2,300+ ATTENDEES FOR
TESLA BIRTHDAY EXPO



12,000+ LEARNERS
REACHED AT STEAM
EVENTS

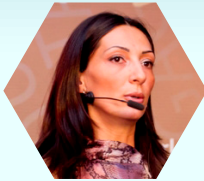
OUR SUPPORTERS

ADVISORS

GLOBAL THOUGHT LEADERS IN TECHNOLOGY, INNOVATION, ENTREPRENEURSHIP



VINT CERF
One of the Fathers of the Internet
Co-developer of World Wide Web and Education Advocate



DRAGANA DJERMANOVIC
Internet Strategist
Digital Transformation Expert and Social Media Innovator



RICHARD MOXLEY
Moxley Family Foundation



GREGORY OLSEN
Entrepreneur, Astronaut
Supporter and STEAM Education Advocate



EUGENE SAYAN
Softheon
Tech Innovator, Education Advocate



DUSAN STOJANOVIC
True Global Ventures
Business Innovator, Entrepreneur



SASHA BAN, MBA, MA Edu.
NY City Dept. of Education
Citywide STEM Programs

EDUCATION COMMITTEE

LEADERS IN EDUCATION



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MIT, IBM Watson AI Lab
Computer Science Pioneer



MATT EVANS, MA Edu.
Tech Lx Curriculum Developer
Professor, Univ. of San Diego



RICH GEARNS, Ph.D. Edu.
NY State Master Teacher
TSCW Board Member



CHRIS LAWRENCE, MA
Museum Education,
Sr. Program Manager at Grant for the Web



DR. RICHARD MARSH
Superintendent — Bethpage Public Schools
Exec. Board — Nassau Co. Council of School Superintendents



STAN SILVERMAN, MS
Director/Professor, New York Institute of Technology



ROGER WAGNER
Makerbit and Hyperstudio
Creator, 1010 Technology President

MARY SCHWARTZ
Educator,
STEAM Advocate

DEBORAH LOHMAN
Science Coordinator,
Educator

COLLABORATORS

INNOVATORS & INFLUENCERS FROM AROUND THE WORLD



ADAM CONOVER
Adam Ruins Everything
Internet Influencer, STEAM Education Advocate



DR. AROGYASWAMI PAULRAJ
Wireless Communications Pioneer, Inventor of MIMO Technology, TSCW's 4th Annual Gala Honoree



TED RAPPAPORT
Wireless Technology Innovator, Inventor of 5G/6G Technology, TSCW's 3rd Annual Gala Honoree



NOVAK DJOKOVIC
Tennis Champion, Philanthropist
Advocate for STEAM Education



JOSEPH SIKORSKI
Filmmaker
Award-Winning Wardencllyffe Documentary "Tower to the People"



TESLA THE BAND
Musicians, Advocates of Nikola Tesla and Wardencllyffe

- Brookhaven National Lab
- Center for Excellence in Wireless & Info Technology (CEWIT)
- Cold Spring Harbor Lab
- Morrison Mentors
- NY Institute of Technology
- Rocky Point Robotics Team

- Rocky Point School District
- Sachem Aftershock Robotics Club
- Sachem School District
- Shoreham Wading River School District
- Smithtown Industry Advisory Board

- Smithtown Robotics League
- Smithtown Central School District
- Stony Brook University
- TESLA Owners Club of NY State
- Tesla Science Foundation

2022 PARTNERS & SUPPORTERS

- Applied DNA Sciences
- bld architecture
- Cameron Engineering
- Campolo, Middleton & McCormick LLP
- Celesta VC
- EdgeWise Energy
- Eisner/Amper
- Gershow Recycling
- Holiday Inn Express & Suites

- Hawkins Webb
- Hotel Indigo
- InnovateLI
- Lacey Thaler Reilly
- Wilson Architecture & Preservation
- Marc Ian Bain
- Marcum LLP
- MD Electrical
- National Inventors Club
- NYIT/CoCES

- Paumanok Vineyard
- PSEG Long Island
- Qualcomm
- Theodore Rappaport, NYU Wireless
- Samueli Foundation
- Signature Bank
- Suffolk Credit Union
- Zebra

2022 COMMITTEE MEMBERS

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Jane Alcorn, TSCW Board
Alex Badalamenti, CEO, bld architecture
Paul Cataldo, CEO, Paul Cataldo Architecture
Bill Chaleff, CEO, Chaleff & Rogers Architects, PC
Bart Gallagher, Engineer
EnviroScience
Eugene Genova, TSCW Board
Kevin McAndrew, Cameron Engineering
Michael Russo, Board VP
Janice Scherer, TSCW Board
Frank Vero Jr., CEO, Aurora Contractors
Kevin Walsh, Managing Director, VHB

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Adam Esposito, Museum Specialist
Margaret Foster, TSCW Board
David Madigan, TSCW Board
Paul Orselli, President, Paul Orselli Workshop
John Rago, COO, Trifecta Technologies
John Siegel, Pres., MRISAR
Joseph Sikorski, Filmmaker, Fragments from Olympus

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Mary Daum, Board President
Richard Gears, Board Treasurer
Gene Genova, TSCW Board
Michael Russo, Board VP
Jill Scher, CPA/MST Director, Marcum LLP

MICROGRID

Daniel Busi, US Green Energy Council of Long Island
Sam Chu, US Green Energy Council of Long Island
Josh Halsey, Peconic Land Trust
Stephen Jay, Alida
Michael Russo, Board VP
Janice Scherer, Board, Town of Southampton

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Daniel Black
Judy Black
Jeff Brown
Aldo Catsaros
Michael DiBartolomeo
Bill Haydamach
Steve Kuhl
Tom LeDeoux
Jonathan May
Peter Palmieri
Paul Rosa
Karl Sidenius
Jeffrey Velez
Christopher Wesselborg
James Wutke

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Bryan Field, Ph.D.
Margaret Foster, TSCW Board
Eugene Genova, TSCW Board
Eva Rodriguez-Greguski
Marc Seifer, Author
Joseph Sikorski, Filmmaker, Fragments from Olympus

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Dragana Djermanovic, Internet Strategist
Tom Hespos, Founder, The Pitch MD
David Madigan, TSCW Board
Justin Palmen, Client Experience Consultant
Michael Schab, Founder, iOS Developer, Bluebird Brand
Joseph Sikorski, Filmmaker, Fragments from Olympus



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