



SOCIAL MISSION





MathWorks Social Mission

At MathWorks, we follow the guiding principle “Do the right thing.” We are committed to acting responsibly as a global corporate citizen. We believe that investing in our Social Mission Program helps us to lead both in our communities and in the field of technical computing.

At our locations across the globe, MathWorks actively supports local and professional communities through five Social Mission pillars:

-  Investments in Education
-  Staff-Driven Initiatives
-  Local Community Support
-  Green Initiatives
-  Global Relief Efforts

MathWorks staff give generously of their time and resources to support their neighbors, build connections in their communities, and reach out across the world to those affected by poverty and natural disasters.

In this report, we invite you to learn more about our local and global efforts to inspire young people, conserve the world’s natural resources, and help those in need.

Best regards,

Jack Little
President and Cofounder
MathWorks

“What makes me proud to be both a MathWorks employee and volunteer at the Museum of Science is having the opportunity to be involved in something bigger than myself.”

Louvere
MathWorks employee volunteering at the
Museum of Science, Boston





INVESTMENTS IN EDUCATION

MathWorks supports programs that inspire learning and advance education in the STEM disciplines (science, technology, engineering, and math) from the primary to the university level. We believe in the power of learning and the ability of engineers, scientists, and mathematicians to find innovative solutions to real-world problems.

Student Competitions | Student engineering competitions inspire the next generation of innovators to learn and develop problem-solving skills.

In 2016–2017, MathWorks provided financial support, training, software, and coaching to 76 programs, including EcoCAR 3, BEST Robotics, VEX Robotics, RoboCup, RoboNation, MathWorks Math Modeling (M3) Challenge, PhysioNet Challenge, SAE AutoDrive Challenge™, Signal Processing Cup, and Formula Student.

Museum Partnerships | MathWorks supports museum exhibits, education programs, and science workshops, including:

- Artisan’s Asylum, Somerville, MA
- Cambridge Science Centre, Cambridge, U.K.
- Children’s Museum, Boston, MA
- Deutsches Museum, Munich, Germany
- Discovery Museum, Acton, MA
- EcoTarium, Worcester, MA
- International Museum of World War II, Natick, MA
- Mass Audubon, Lincoln, MA
- Mount Washington Observatory, North Conway, NH
- Museum of Applied Arts and Sciences, Sydney, Australia
- Museum of Science, Boston, MA
- New England Aquarium, Boston, MA
- Science Museum, London, U.K.
- Universcience, Paris, France
- Zoo New England, Boston, MA

STEM Sponsorships | We provide funding and STEM ambassadors to programs including:

- Arkwright Scholarships, U.K.
- i2 Learning and Boston STEM Week, MA
- Physics at Work, Cambridge, U.K.
- Makespace, Cambridge, U.K.
- Massachusetts State Science and Engineering Fair
- Mathematical Association of America
- MINT Zukunft schaffen, Germany
- MIT Science Trivia Challenge, Cambridge, MA

University Fellowships | MathWorks awards fellowships to engineering students who develop innovative solutions to complex problems. In 2016 and 2017, we funded 10 fellowships in the U.S., Germany, and the U.K.

Research Grants | MathWorks supports researchers at eligible educational institutions who use MATLAB® and Simulink® in innovative ways. We awarded \$970,000 in 2016 and \$1,040,000 in 2017 in research grants.

Curriculum Development | MathWorks funds eligible educational institutions that design curricula around MATLAB, Simulink, and Model-Based Design and use active teaching approaches such as project-based learning. In 2016–17, we awarded over \$845,000 to universities for curriculum development.

Global Education Advancement | MathWorks is committed to fostering engineering education around the world. Through partnerships with a number of academic institutions, we support initiatives to advance learning in the global community.

2016–17 Highlights: Investments in Education

\$19,500,000+
U.S. DOLLARS OF MATHWORKS FUNDING

5400+
STUDENT TEAMS RECEIVING SOFTWARE FROM MATHWORKS

76
COMPETITIONS WITH MATHWORKS AS SPONSOR

SPOTLIGHT

BOSTON STEM WEEK, OCTOBER 2017

Boston STEM Week is an innovative, hands-on science and engineering program for middle school children, developed by i2 Learning in partnership with MIT and other leading STEM organizations, including MathWorks.

Courses include Kinetic Sculpture, Building an Interactive Friendly Monster, Digital Game Design, Urban Farming, and Surgical Techniques.



6000
Middle school students



300
Teachers involved



37
Boston Public Schools participating

SPOTLIGHT

MUSEUM OF SCIENCE, BOSTON

In 2017, MathWorks gifted \$10 million to the Museum of Science, Boston for the development of a new permanent technology and engineering exhibit, set to open in 2020. The new exhibit will feature compelling, hands-on engineering activities and challenge visitors to use many of the same skills that engineers and computer scientists use, including creativity, collaboration, and learning from failure.

“MathWorks is committed to helping students discover their passion for STEM subjects. To complement classroom learning, they need to experience working hands-on to explore, experiment, model, and build.”

Jack Little, MathWorks CEO



1830
Museum founded



1,500,000
Visitors per year



700
Interactive exhibits



130,000
sq. ft.
Gallery space



2,500,000
volts
Voltage of Van de Graaff generator in the Elihu Thomson Theater of Electricity



STAFF-DRIVEN INITIATIVES

Each year, MathWorks staff members donate time and energy to projects benefitting the communities where they live and work. We support these personal commitments with paid time off and matching donations.

Volunteering | Each full-time staff member is eligible for eight hours of paid volunteer time per year. In 2016–17, over 1800 staff donated nearly 9000 paid volunteer hours.

Every spring, MathWorks staff members concentrate their volunteer efforts in a month-long Volunteer Challenge to support local organizations. In 2016–17, over 1700 staff members in nine countries donated over 7000 paid volunteer hours at 180 volunteer events during the annual Volunteer Challenge.

Staff-Initiated Drives | MathWorks staff initiated over 30 drives to benefit local groups. These included collecting winter holiday gifts for needy children, families, and seniors both locally and through Toys for Tots.

In our annual Blizzard of Backpacks program, MathWorks volunteers supplied 60 disadvantaged children with new backpacks filled with fresh school supplies. Staff in the MathWorks Japan office worked with Second Harvest Japan to donate three-day supplies of food to disadvantaged residents.

“A-Thon” Matching Program | When staff members run, walk, or bike for charity, MathWorks matches 100% of donations from fellow employees (up to \$500 for each contributor) and up to \$500 from outside pledges.

In 2016–17, MathWorks gave over \$180,000 in matching funds to 112 fundraisers, benefitting the American Lung Association, the Pan-Mass Challenge, Best Buddies International, the Jimmy Fund, Diabetes U.K., and other organizations.

End-of-Year Donations | Every year, MathWorks staff research, nominate, and select charitable groups to receive year-end donations. In the past two years, these donations totaled more than \$380,000 and reached over 250 charitable groups, including:

- Association for India’s Development
- Autistica, U.K.
- Colectivo Tetuán-Ventilla para el seguimiento de Menores y Jóvenes, Spain
- Helfende Hände, Germany
- Hope for Justice
- Irish Motor Neuron Disease Association
- Margadarshi
- National Trust for Scotland
- Second Harvest Japan
- SOS Kinderdorf Children’s Villages, Germany and the U.S.
- Stand Up to Cancer
- Stone Soup Food Pantry
- Ugandan Water Project

2016–17 Highlights: Donations and Volunteering



\$380,000+
END-OF-YEAR DONATIONS



9000
PAID STAFF VOLUNTEER HOURS



\$185,000
“A-THON” MATCHING DONATIONS



249
NOT-FOR-PROFIT ORGANIZATIONS
SUPPORTED BY STAFF INITIATIVES
WORLDWIDE

SPOTLIGHT

STAFF CHARITABLE EVENTS

Every year, MathWorks employees run fundraising events to support local nonprofits. The Finance and Operations team organizes an annual car wash to benefit the Boys & Girls Club of MetroWest. MathWorks U.K. staff are top fundraisers for Action for Children’s annual Byte Night, where hundreds of people sleep out in the open for one night to raise funds to help vulnerable young people.

Finance and Operations Annual Car Wash, 2017



61
MathWorks
volunteers



75
Cars washed



\$7100
Amount raised

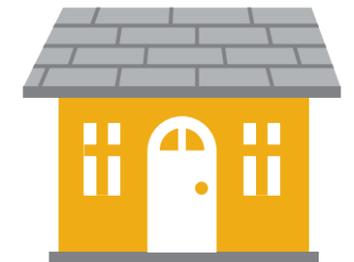
MetroWest Habitat for Humanity’s Operation Playhouse, 2017



60
MathWorks volunteers

“Working with Habitat for Humanity was a great volunteer effort. My team had fun designing, painting, and assembling a playhouse for the child of a U.S. veteran. At the end of the day, we were able to present a playhouse to a 6-year-old boy. It was very rewarding to see him explore his new playhouse.”

George, MathWorks employee volunteering to build playhouses for families of U.S. military and veterans



6
Outdoor playhouses built for children of
U.S. military and veteran families



LOCAL COMMUNITY SUPPORT

MathWorks supports the vitality of the communities where we live and work by contributing to organizations that help develop and enrich our cities and towns and by participating in local initiatives.

Community Grants | The MathWorks Community Grant Program provides financial support and sponsorship to nonprofit organizations and programs.

In 2016–17, we awarded more than \$155,000 to 76 local community programs, including:

- A Place to Turn, Natick, MA
- Cambridge Meridian Academies Trust, U.K.
- Cambridge Hands-On Science (CHaOS), U.K.
- Centre for Computing History, U.K.
- Girls Angle: A Math Club for Girls, Cambridge, MA
- Girls Incorporated, Worcester, MA
- Morse Institute Library, Natick, MA
- Mystic River Watershed, MA

Scholarships | Each year, MathWorks awards scholarships to high school seniors in Natick, MA who plan to study engineering, math, or science at the university level. In 2016–17, we awarded over \$40,000 in scholarships.

Mass Audubon | MathWorks is a corporate supporter of Mass Audubon, which works to protect 35,000 acres of Massachusetts conservation land. Mass Audubon provides school, camp, and other educational programs for 225,000 children and adults annually, and advocates for sound environmental policies.

Local Community Events | The Natick office annually sponsors Natick Days, a festival celebrating the town of Natick by providing fundraising opportunities for Natick youth groups and nonprofit organizations.

Public Broadcasting | In the Boston area, we sponsor WBUR-FM and WGBH-TV. MathWorks is lead sponsor of WBUR-FM's *Here and Now* program, which is syndicated by National Public Radio. Staff members look forward to participating in our Corporate Pledge Nights at WGBH-TV each year.

2016–17 Highlights: Global Impact of Local Giving

 **\$2,000,000+**
U.S. DOLLARS OF MATHWORKS FUNDING

 **89**
COMMUNITY PROGRAMS SPONSORED

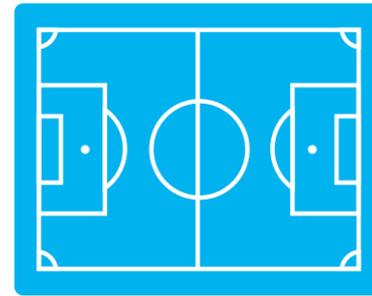
 **40**
LOCAL COMMUNITIES REACHED

SPOTLIGHT

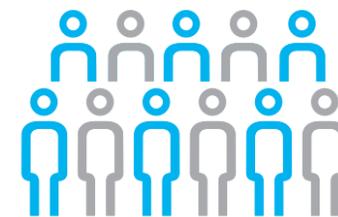
AACHEN SPORTPARK RENOVATIONS

In September 2017, nearly 800 people attended the opening ceremony of the newly rebuilt MathWorks Sportpark near our Aachen, Germany office. The revamped turf field at the Sportpark replaces the 15-year-old, worn-out and hazardous turf. MathWorks supported the project to provide a safe, updated field for community sports and activities.

Additional renovations to the playground and clubhouse will provide space for community-based programs and language courses for refugees.



5000
Square-meter field



800
Visitors attended the opening of the new field



RENOVATED CLUBHOUSE
for community activities



GREEN INITIATIVES

MathWorks encourages responsible environmental stewardship both at work and at home. We support programs focused on recycling, improvements in energy efficiency, resource management, and facilities design.

At MathWorks, we do all we can to conserve Earth's resources. Recent projects include ensuring that our office buildings use materials and energy wisely.

Sustainability: Greener Buildings | Ongoing building projects at our U.K. office and the Apple Hill campus emphasized environmental sustainability. Achievements in 2017 include:

- Installation of 20 additional electric vehicle (EV) charging stations at the Apple Hill campus, bringing us to our goal of having 3% of all parking spaces capable of charging EVs.
- 1000 additional solar panels installed at the Apple Hill campus, bringing total site generating capacity to 985 kW.
- Implementation of building operational strategies to reduce power consumption during periods of peak demand.

Green Awareness Programs | Our GreenWorkers employee group promotes sustainable practices at home and at work. This year the group hosted a Green Car Event for Earth Day to showcase green or electric vehicles and electric bicycles. MathWorks volunteers demonstrated their green or electric vehicles—even a homemade recumbent electric tricycle. Tesla made two electric cars available for test drives. Dozens of staff tried electric vehicles (including two-, three-, and four-wheelers). The GreenWorkers also promote bicycle commuting by identifying the best routes for staff to cycle to work and by helping ensure safe bicycle access to the Apple Hill campus.

Waste Minimization and Recycling | MathWorks is constantly working to improve processes and minimize waste. Where waste cannot be eliminated, we focus on maximizing recycling. Kitchens and cafeterias promote reusable dishware and reduced waste. Recycled office supply sources include cardboard, glass, metal, paper, printer cartridges, computer hardware, and batteries.

2016-17 Highlights: MathWorks Recycling



300,000
POUNDS OF SINGLE-STREAM
RECYCLING



45,000+
POUNDS OF COMPUTER
HARDWARE



1000+
POUNDS OF BATTERIES

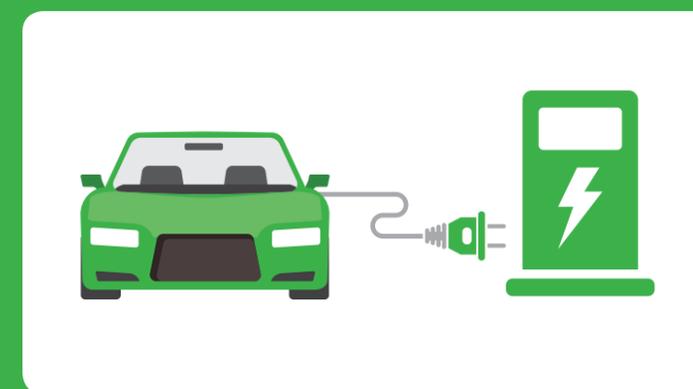


40%+
RECYCLING DIVERSION RATE

SPOTLIGHT

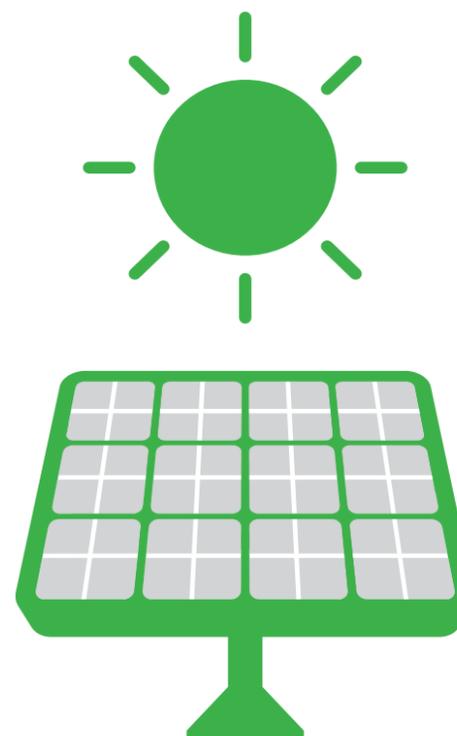
GREENER FACILITIES

MathWorks has made the commitment to and investment in producing much of our own power onsite using environmentally friendly methods, thus reducing overall energy costs.



112

Parking spaces at Natick campuses with EV charging stations



21%

Annual power generated onsite through solar and cogeneration

1000+

Additional rooftop solar panels installed in 2017

23%

Increase in yearly power from cogeneration and rooftop solar panels



GLOBAL RELIEF EFFORTS

MathWorks supports disaster relief and humanitarian relief efforts worldwide through individual staff and company donations and partnerships with relief organizations.

Disaster Relief | MathWorks staff members come from countries around the globe. Each year they show great generosity in responding to global disasters, famine, and poverty. MathWorks partners with established nonprofit organizations that provide material relief worldwide.

In 2016–17, we supported the following disaster relief efforts, with over \$112,300 in donations:

- Bihar flooding
- Cyclone Winston
- Hurricane Harvey
- Hurricane Irma
- Hurricane Maria
- Kumamoto earthquake
- Louisiana flooding

Humanitarian Efforts | MathWorks helps fund global programs to end poverty, relieve suffering, and provide food, shelter, and life-saving essentials to people affected by disasters. Our employees make individual donations and lead relief efforts to collect goods and coordinate donations from MathWorks staff.

2016–17 Highlights: Global Relief Donations



\$3,000,000

CARE HUMANITARIAN SUPPORT



\$18,000

HURRICANE IRMA RELIEF



\$3000

BIHAR FLOOD RELIEF



\$26,000

HURRICANE MARIA RELIEF



4000 AUD

CYCLONE WINSTON RELIEF



1,100,000 JPY

KUMAMOTO EARTHQUAKE RELIEF



\$48,000

HURRICANE HARVEY RELIEF



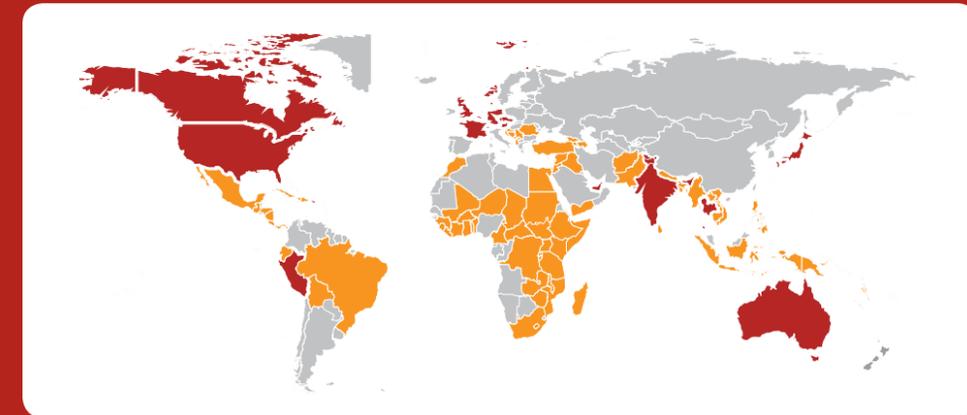
\$5000

LOUISIANA FLOOD RELIEF

SPOTLIGHT CARE INTERNATIONAL

CARE is a leading humanitarian organization fighting global poverty, with a focus on education and empowering women. CARE also delivers emergency aid to survivors of war and natural disasters.

For over 10 years, MathWorks has partnered with CARE International to fund programs around the world.



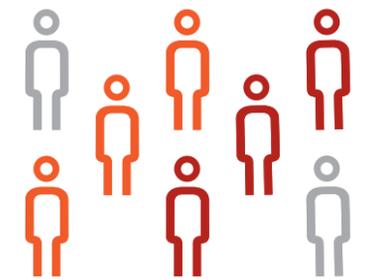
94

Countries where
CARE works



1044

Poverty-fighting development and
humanitarian aid projects



80 million

People directly served by CARE programs

256 million

People indirectly served by CARE programs

IMPACT AND RESPONSIBILITY

Around the world, engineers and scientists are making a difference by using MATLAB and Simulink to:

- Advance our knowledge of Earth, the environment, and the universe
- Develop more fuel-efficient and safer cars, airplanes, and trains
- Advance life science research and diagnostic techniques
- Search for new sources of energy
- Educate the next generation of engineers and scientists



"MathWorks actively encourages its employees to get out there and volunteer in the wider community. For the past two years, my team and I have planted and weeded gardens at local farms. It's a great opportunity: We have fun as a team while knowing that we're helping the community."

Kate, Marketing Writer and Editor,
MathWorks Volunteer Challenge Participant

About MathWorks

MathWorks is the leading developer of mathematical computing software. MATLAB, the language of technical computing, is a platform for algorithm development, data analysis, visualization, and numeric computation. Simulink is a graphical environment for simulation and Model-Based Design of multidomain dynamic and embedded systems.

MathWorks employs more than 4000 people in 16 countries. Founded in 1984, the company is privately held and has been profitable every year since its inception. In 2017, MathWorks generated \$950 million in revenue, with more than 60% from outside the United States.

Learn more:

mathworks.com/socialmission

"Our student competitions program supports the next generation of scientists and engineers and enables them to learn how to use MATLAB and Simulink to solve real-world problems. The program has grown from only a few competitions to over 30 in just a few years."

Lauren, Student Competition Manager,
MathWorks





MathWorks®

Accelerating the pace of engineering and science

HEADQUARTERS

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