

The U.S. Department of Energy Solar Decathlon[®] is a collegiate competition that challenges students to design and construct zero energy buildings. The competition has inspired thousands of students worldwide to enter the clean energy workforce since its inception in 2002. Solar Decathlon supports a key strategy for tackling climate challenges—developing a workforce well equipped to design, construct, and retrofit a high-performance, low-carbon building stock and to deliver an equitable clean energy future.

2022 marks the 20th anniversary of the competition! Explore the interactive infographics below to learn how the Solar Decathlon has been building impact for 20 years.

Back to the Future—Where it All Began

The U.S. Department of Energy launched the Solar Decathlon in 2002 to educate students and the public about the latest technologies and materials in zero energy design, smart home solutions, and high-performance buildings. While styles may have changed over the years (*check out the early 00s suits!*), the imperative for energy efficient buildings powered by renewables has only grown.

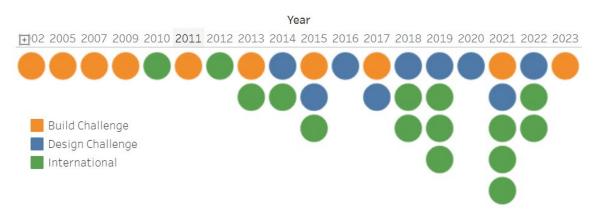


Celeste Leidich, a student at the University of Colorado Boulder, shows **Richard King**, founder of the Solar Decathlon, a model of the solar house designed by CU students for the 2002 competition.



Teams participating in the 2002 Solar Decathlon pose for a group photo at the end of the competition. The first Solar Village on the National Mall in Washington, D.C., hosted **more than 100,000 visitors**.

Solar Decathlon Through the Years



Build Challenge:

The <u>inaugural U.S. Solar Decathlon</u> Build Challenge opened to the public September 19–October 6, 2002. Fourteen teams from across the United States, including Puerto Rico, presented their projects on the National Mall in Washington, D.C. The University of Colorado was awarded first place at the very first Solar Decathlon.

The <u>second U.S. Solar Decathlon</u> Build Challenge was held on the National Mall, October 6–16, 2005. Eighteen teams from the United States, Canada, and Spain participated. The University of Colorado successfully defended its title!

The <u>third U.S. Solar Decathlon</u> Build Challenge was held on the National Mall, October 12–20, 2007. Twenty teams from the United States, Canada, Spain, and Germany competed. Technische Universität Darmstadt (Team Germany) was named the overall champion.

The <u>fourth U.S. Solar Decathlon</u> Build Challenge was held on the National Mall, October 8–18, 2009, and included 20 teams from the United States, Canada, Germany, and Spain. Team Germany was named the winner for a second time!

The <u>fifth U.S. Solar Decathlon</u> Build Challenge took place September 23–October 2, 2011. Twenty teams represented the United States, China, New Zealand, Belgium, and Canada. The event was held in Washington, D.C.'s West Potomac Park, near the Potomac River. The University of Maryland was the overall competition winner.

The <u>sixth U.S. Solar Decathlon</u> Build Challenge took place October 3–13, 2013, in Orange County Great Park in Irvine, California. It was the first Solar Decathlon to take place outside of Washington, D.C. and included 20 teams. Vienna University of Technology (Team Austria) won the competition.

The <u>seventh U.S. Solar Decathlon</u> Build Challenge was held October 8–18, 2015, at the Orange County Great Park. Stevens Institute of Technology was the overall winner out of 17 teams. This was their third Solar Decathlon competition.

The <u>eighth U.S. Solar Decathlon</u> Build Challenge was held October 5–15, 2017, in Denver, Colorado. Eleven teams competed, with the Swiss Team winning the overall competition with their entry, NeighborHub.

The <u>ninth U.S. Solar Decathlon</u> Build Challenge was held virtually April 15–19, 2021, with the competition transitioning to a local-build model due to the COVID-19 pandemic. The University of Colorado Boulder team won the overall competition.

<u>Thirty-two teams</u> have applied to compete in the U.S. Solar Decathlon 2023 Build Challenge. With an alllocal build format, homes will be displayed across the world for the public to view in spring of 2023.

Design Challenge:

In 2014, the U.S. Department of Energy launched the <u>Race to Zero competition</u>, the predecessor of the present-day **Solar Decathlon Design Challenge**. Twenty-eight teams competed in Golden, Colorado, April 26–28, 2014. Students from the State University of New York – Environmental Science and Forestry (Syracuse, New York), Syracuse University (Syracuse, New York), and Onondaga Community College (Syracuse, New York) won the Best Single-Family Detached Design category. The team from Ryerson University (Toronto, Ontario, Canada) was awarded the Best Single-Family Attached Design.

The <u>second</u> *Race to Zero* competition was held in Golden, Colorado, April 18–20, 2015. Out of 33 competing teams, the University of Minnesota team emerged as the Grand Winners!

The <u>third</u> *Race to Zero* competition was held in Golden, Colorado, April 16–17, 2016. Thirty-one teams competed, with the team from Prairie View A&M University (Prairie View, Texas) earning the Grand Winner title.

The <u>fourth</u> *Race to Zero* competition was held in Golden, Colorado, from April 22 to 23, 2017. Thirtynine teams competed in *Race to Zero* in 2017, with Ryerson University (Toronto, Ontario, Canada) and University of Toronto emerging as the Grand Winners.

The <u>fifth</u> *Race to Zero* competition was held in Golden, Colorado, April 20–22, 2018. Prairie View A&M University (Prairie View, Texas) was the Grand Winner for the second time out of 40 teams!

The *Race to Zero* competition joins the Solar Decathlon, becoming the <u>Solar Decathlon Design</u> <u>Challenge</u>! Virginia Polytechnic Institute and State University (Blacksburg, Virginia) was the Grand Winner of the first Design Challenge.

The <u>second U.S. Solar Decathlon</u> Design Challenge was held virtually, April 17–19. 2020 was the first year with two categories for Grand Winner—Residential and Commercial. The University of Oregon (Eugene, Oregon) team was the Grand Winner in the Commercial category, while Miami University (Oxford, Ohio) was the Grand Winner in the Residential category.

The <u>third U.S. Solar Decathlon</u> Design Challenge was held virtually from April 15–18, 2021. Out of 63 competing teams, the Commercial Divisions Grand Winner was the University of Oregon (Eugene, Oregon) and the Residential Divisions Grand Winner was Northwestern University (Evanston, Illinois).

<u>2022 is the 20th Anniversary of the Solar Decathlon!</u> 133 teams from over a dozen countries will participate in the U.S. Solar Decathlon Competition Event, April 22–24, 2022, in Golden, Colorado. 101 teams representing 80 collegiate institutions will compete in the 2022 Design Challenge, with semifinals hosted February 25–26, 2022, and the final event held in April.

International:

The very <u>first international Solar Decathlon</u>, Solar Decathlon Europe, was organized and held in Madrid, Spain in June of 2010. Solar Decathlon Europe hosted 17 competition teams for 10 days in the Villa Solar near the Royal Palace of Madrid.

Solar Decathlon Europe hosted its <u>second competition event</u> from September 14–30, 2012, in Madrid, Spain. Eighteen teams from 11 countries competed.

The first **Solar Decathlon** China took place August 3–13, 2013, in Datong, China, with 20 teams competing!

For the <u>third</u> Solar Decathlon Europe, the competition event moved from Madrid, Spain, to Versailles, France. Twenty teams competed from June 28 to July 14, 2012.

The <u>first</u> Solar Decathlon Latin America and Caribbean was held at the Universidad del Valle in Santiago de Cali, Colombia. Fifteen teams from 10 countries gathered in December 2015 to compete.

The <u>2018</u> Solar Decathlon China took place in the city of Dezhou in China's Northwestern Shandong province with 23 teams competing!

The <u>first</u> Solar Decathlon Middle East was held in Dubai, United Arab Emirates, with 14 teams from 11 countries competing.

The **fourth Solar Decathlon Europe** event was held in <u>Szentendre, Hungary</u>, with 10 participating teams.

The **second Solar Decathlon Latin America and Caribbean** was held in <u>Cali, Colombia</u>. In addition to the basic principles of the Solar Decathlon, teams were asked to focus on housing solutions specifically for the Latin America and Caribbean region that were affordable, met the needs of occupants with reduced mobility, were suitable for dense urban areas, and made efficient use of natural resources. Fifteen teams from seven countries competed!

The **first Solar Decathlon Africa** was held in <u>Ben Guerir, Morocco</u>, September 13–27, 2019, with 18 competing teams representing 20 countries and 54 universities.

The **first Solar Decathlon India** competition took place in 2021 <u>virtually</u>! Twenty-four finalists presenting state-of-the-art, climate-resilient designs.

The third Solar Decathlon China took place from September 2021 to October 2021 in Zhangjiakou, China. 15 teams constructed zero energy houses for the 2022 Olympics.

The **second Solar Decathlon Middle East** was held from November 11 to November 24, 2021, with 8 competing teams in <u>Dubai</u>, <u>United Arab Emirates</u>.

Due to impacts from COVID-19, **Solar Decathlon Europe 2021** was postponed until 2022. In June 2022, 18 teams from 11 countries will display their homes in <u>Wuppertal</u>, <u>Germany</u>, which will tackle challenges unique to urban environments, including renovation and extension, closing gaps, and adding stories.

The **Solar Decathlon India** 2021-22 Challenge is underway, with <u>99 teams</u> designing resilient, zero energy buildings for real building projects by partnering with industry.

Images of Past Competitions



2011 Solar Decathlon Build Challenge at West Potomac Park, Washington, D.C.



2013 Solar Decathlon in Orange County, California



2017 Solar Decathlon in Denver, Colorado



2021 Solar Decathlon Virtual Competition

U.S. Solar Decathlon Fast Facts

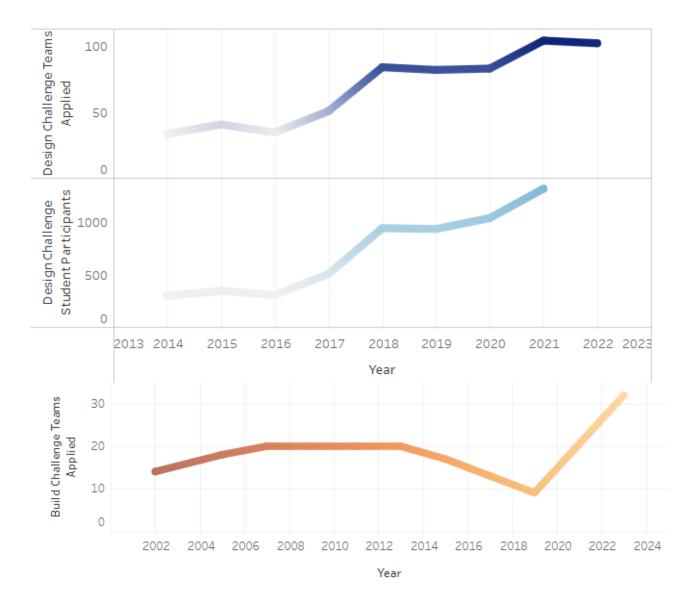


- 308 Collegiate Institutions
- 40 Countries
- More than 25,000 Student Participants
- 790 Collegiate Teams
- 47 U.S. States
- 15 International Solar Decathlon Events
- 20 Years of Impact
- 22 Teams from Minority-Serving-Institutions in 2022–2023 Challenges

A Growing Competition

The Design Challenge has seen tremendous growth and interest from students and faculty alike. Launched in 2014 as the Race to Zero, the competition was added to the Solar Decathlon platform in 2018 and became the Design Challenge. By adding a design-only option, this Challenge allows more students to experience the Solar Decathlon and is more inclusive for schools where building a house may present logistical challenges.

Participation in the Build Challenge, which has historically required student teams to transport homes to a central competition location (such as the National Mall in Washington, D.C.), is transitioning to a localbuild format. Teams will now build permanent structures in their local communities, a change that has reduced costs and dramatically increased team participation.



Competition Participation and Growth by Year

- In 2002, 14 Build Challenge teams applied.
- In 2005, 18 Build Challenge teams applied.
- In 2007, 20 Build Challenge teams applied.
- In 2009, 20 Build Challenge teams applied.
- In 2011, 20 Build Challenge teams applied.
- In 2013, 20 Build Challenge teams applied.
- In 2014, 33 Design Challenge teams applied, and 292 Design Challenge students participated.
- In 2015, 40 Design Challenge teams applied, and 339 Design Challenge students participated. 17 Build Challenge teams applied.
- In 2016, 34 Design Challenge teams applied, and 300 Design Challenge students participated.
- In 2017, 50 Design Challenge teams applied, and 498 Design Challenge students participated. 13 Build Challenge teams applied.
- In 2018, 83 Design Challenge teams applied, and 929 Design Challenge students participated.
- In 2019, 81 Design Challenge teams applied, and 921 Design Challenge students participated. 9 Build Challenge teams applied.
- In 2020, 82 Design Challenge teams applied, and 1024 Design Challenge students participated.
- In 2021, 103 Design Challenge teams applied, and 1300 Design Challenge students participated.
- In 2022, 101 Design Challenge teams applied.
- For 2023, 32 Build Challenge teams applied.

308 Participant Collegiate Institutions

The U.S. Department of Energy Solar Decathlon is open to both domestic and international collegiate institutions. Student participants are able to meet and learn with others from across the country and around the world. Since 2002, more than 300 collegiate institutions have been a part of the competition.



A Changing Landscape for Buildings and Solar

In the 20 years since the Solar Decathlon began, the price of solar panels has plummeted and the panels themselves have become more efficient, leading to wider adoption.

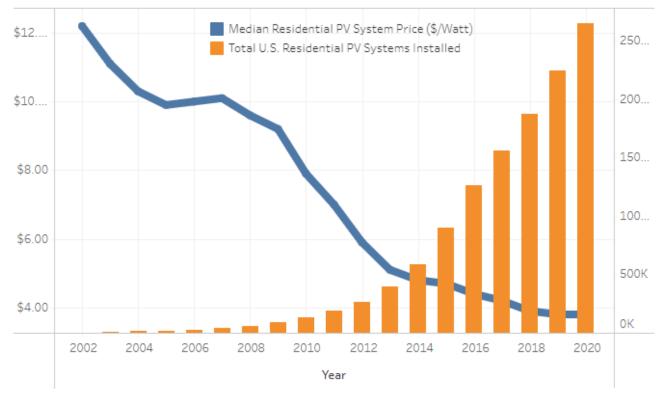


Table 1: Median Residential Photovoltaic (PV) System Price and Total U.S. Residential PV Systems Installed, 2002 to 2020

Year	Median Residential PV System Price	Total U.S. Residential PV
	(\$/Watt)	Systems Installed
2002	\$12.20	3183
2003	\$11.10	7268
2004	\$10.30	13248
2005	\$9.90	19900
2006	\$10.00	28345
2007	\$10.10	41477
2008	\$9.60	58485
2009	\$9.20	87903

Year	Median Residential PV System Price	Total U.S. Residential PV
	(\$/Watt)	Systems Installed
2010	\$7.90	134991
2011	\$7.00	186910
2012	\$5.90	267681
2013	\$5.10	398956
2014	\$4.80	587999
2015	\$4.70	896831
2016	\$4.40	1261589
2017	\$4.20	1559107
2018	\$3.90	1875582
2019	\$3.80	2245161
2020	\$3.80	2647403

International Competitions

Six international competitions, modeled after the U.S. Department of Energy Solar Decathlon, are now held all around the world. There have been 15 international events and approximately 15,000 students have participated. **Click the links below to learn more about each competition.**



Solar Decathlon Africa





Solar Decathlon Europe





Solar Decathlon Latin America and Caribbean



Solar Decathlon Middle East



2021 Solar Decathlon Middle East Winning Teams

Building for the Future

By engaging alumni through the Alumni Mentor program, making Building Science Education courses available for free, and launching the Solar Decathlon Professionals Program (SD Pro), Solar Decathlon continues to train the next generation of buildings professionals beyond the competition. Solar Decathlon 2020 Build Challenge houses are now available for exploration 24/7, 365 days a year, at the Solar Decathlon Virtual Village at https://www.solardecathlon.gov/virtual_village/. Click the webpages below to learn more!

<u>Building Science Education</u> <u>Solar Decathlon Professionals Program</u> <u>Mentor Program</u> <u>Solar Decathlon Virtual Village</u>

20 Years On, Still All About the Students

For the past two years, the Solar Decathlon has profiled program alumni who are **#SDLivingTheDream**. Follow the linked alum names to explore where Solar Decathlon alum are now!

<u>Heather Greene</u> <u>Sol Haroon</u> <u>Farah Naz Ahmad</u> <u>Andrea Lin</u> <u>Nupoor Kansara</u> <u>Sean Copeland</u>

"The competition played a crucial role in fueling my passion for sustainable design. It helped me discover the value of energy modeling in the design process, occupant comfort approach, and interdisciplinary collaboration."

- Nupoor Kansara, Solar Decathlon 2020 Design Challenge participant

"Before the Solar Decathlon, I had never considered working in the field of building efficiency. The Solar Decathlon introduced me to this field in an exciting and captivating manner and opened my eyes to the built environment's significant role in reducing our carbon consumption. Not only did it spark new interests for me, I think I acquired many skills that were both different from and complimentary to the skills I was learning in the classroom." - Bennett Doherty, 2018 Race to Zero participant

To find more Solar Decathlon alum stories, explore the #SDLivingTheDream series at

#SDLivingTheDream - DOE Solar Decathlon: Blog.

Appendix A

All 308 collegiate institutions that have participated in the U.S. Solar Decathlon since 2002.

Collegiate Institution	City	Country	Competition
			Participation
			2020 Design Challenge
Academy of Art University	San Francisco	United States	Participant
Alberta University of the			
Arts	Calgary	Canada	2009 Solar Decathlon
			2018 Race to Zero
			Participant; 2019 Design
			Challenge Participant;
			2020 Design Challenge
			Finalist; 2021 Design
			Challenge Finalist; 2022
			Design Challenge
Alexandria University	Alexandria	Egypt	Participant
Alfred State	Alfred	United States	2015 Solar Decathlon
Alfred University	Alfred	United States	2015 Solar Decathlon
Algonquin College of			2013 Solar Decathlon;
Applied Arts and			2015 Race to Zero
Technology	Ottawa	Canada	Participant
American University	Washington	United States	2013 Solar Decathlon
Anne Arundel Community			2017 Race to Zero
College	Arnold	United States	Participant
			2021 Design Challenge
Antelope Valley College	Lancaster	United States	Participant
			2011 Solar Decathlon;
Appalachian State			2015 Race to Zero
University	Boone	United States	Finalist; 2016 Race to

			Zero Finalist; 2018 Race
			to Zero Finalist; 2019
			Design Challenge
			Finalist; 2021 Design
			Challenge Finalist
Arapahoe Community			
	Littleten	Linited States	2022 Duild Challenge
College	Littleton	United States	2023 Build Challenge
Arizona State University	Tempe	United States	2013 Solar Decathlon
			2002 Solar Decathlon;
			2014 Race to Zero
			Finalist; 2015 Race to
			Zero Finalist; 2020
			Design Challenge
Auburn University	Auburn	United States	Participant
			2013 Solar Decathlon;
			2017 Race to Zero
			Finalist; 2018 Race to
			Zero Finalist; 2019
			Design Challenge
			Finalist; 2020 Design
			Challenge Finalist; 2021
			Design Challenge
			Finalist; 2023 Build
			Challenge; 2022 Design
Ball State University	Muncie	United States	Challenge Participant
	Tambon Khlong		
Bangkok University	_	Thailand	2023 Build Challenge
Dangkok University	Nung		-
			2019 Design Challenge
			Participant; 2023 Build
Barber-Scotia College	Concord	United States	Challenge
			2020 Design Challenge
			Participant; 2021 Design
			Challenge Participant;
			2022 Design Challenge
Blackburn College	Carlinville	United States	Participant
Boston Architectural			
College	Boston	United States	2009 Solar Decathlon
			2019 Design Challenge
			1
			Participant; 2023 Build
			Participant; 2023 Build Challenge; 2022 Design

			2018 Race to Zero
			Participant; 2019 Design
Brown University	Providence	United States	Challenge Participant
, Calhoun Community			
, College	Huntsville	United States	2017 Solar Decathlon
California College of the			
Arts	San Francisco	United States	2009 Solar Decathlon
California Institute of			2011 Solar Decathlon;
Technology	Pasadena	United States	2013 Solar Decathlon
			2005 Solar Decathlon;
			2014 Race to Zero
			Finalist; 2015 Solar
			Decathlon; 2021 Design
			Challenge Finalist; 2022
California Polytechnic State			Design Challenge
University	San Luis Obispo	United States	Participant
			2014 Race to Zero
California State University,			Finalist; 2015 Race to
Fresno	Fresno	United States	Zero Finalist
			2019 Design Challenge
California State University,			Finalist; 2020 Design
Fullerton	Fullerton	United States	Challenge Participant
Cape Fear Community			2020 Design Challenge
College	Wilmington	United States	Participant
			2013 Solar Decathlon;
			2021 Design Challenge
			Finalist; 2022 Design
Carleton University	Ottawa	Canada	Challenge Participant
			2002 Solar Decathlon;
			2005 Solar Decathlon;
			2007 Solar Decathlon;
			2015 Race to Zero
			Finalist; 2016 Race to
			Zero Finalist; 2019
			Design Challenge
			Finalist; 2020 Design
Carnegie Mellon University	Pittsburgh	United States	Challenge Participant
Central Washington			
University	Ellensburg	United States	2023 Build Challenge
			2017 Race to Zero
CEPT University	Ahmedabad	India	Finalist; 2018 Race to

			Zero Finalist; 2019
			Design Challenge Finalist
Chapman University	Orange	United States	2015 Solar Decathlon
City College of New York	New York	United States	2011 Solar Decathlon
, .			2020 Design Challenge
			Finalist; 2023 Build
			Challenge; 2022 Design
Clark Atlanta University	Atlanta	United States	Challenge Participant
			2014 Race to Zero
			Finalist; 2015 Solar
Clemson University	Clemson	United States	Decathlon
			2022 Design Challenge
College of the Canyons	Santa Clarita	United States	Participant
			2022 Design Challenge
College of the Ozarks	Point Lookout	United States	Participant
			2017 Race to Zero
			Finalist; 2020 Design
			Challenge Finalist; 2021
			Design Challenge
			Participant; 2023 Build
Colorado School of Mines	Golden	United States	Challenge
			2020 Design Challenge
			Finalist; 2021 Design
			Challenge Participant;
			2022 Design Challenge
Colorado State University	Fort Collins	United States	Participant
			2021 Design Challenge
Columbia University	New York	United States	Finalist
			2005 Solar Decathlon;
			2015 Race to Zero
Concordia University	Montreal	Canada	Participant
			2021 Design Challenge
			Finalist; 2022 Design
Cooper Union	New York	United States	Challenge Participant
			2005 Solar Decathlon;
			2007 Solar Decathlon;
Cornell University	Ithaca	United States	2009 Solar Decathlon
			2002 Solar Decathlon;
			2005 Solar Decathlon;
Crowder College	Neosho	United States	2015 Solar Decathlon

Czech Technical University			
in Prague	Prague 6	Czech Republic	2013 Solar Decathlon
			2017 Solar Decathlon;
			2020 Design Challenge
Daytona State College	Daytona Beach	United States	Finalist
			2018 Race to Zero
			Finalist; 2019 Design
			Challenge Participant;
Dr. Bhunuben Nanavati			2020 Design Challenge
College of Architecture	Pune	India	Finalist
			2017 Race to Zero
Drexel University	Philadelphia	United States	Participant
			2015 Solar Decathlon;
			2019 Design Challenge
Drury University	Springfield	United States	Participant
Eastern Kentucky			2017 Race to Zero
University	Richmond	United States	Participant
Eastern Michigan			2019 Design Challenge
University	Ypsilanti	United States	Finalist
École de Technologie			
Supérieure	Montréal	Canada	2007 Solar Decathlon
École Polytechnique			
Fédérale de Lausanne	Lausanne	Switzerland	2017 Solar Decathlon
El Paso Community College	El Paso	United States	2013 Solar Decathlon
Embry-Riddle Aeronautical			
University	Daytona Beach	United States	2017 Solar Decathlon
			2021 Design Challenge
			Finalist; 2022 Design
Ferris State University	Big Rapids	United States	Challenge Participant
			2021 Design Challenge
Fitchburg State University	Fitchburg	United States	Finalist
Florida Agricultural &			2018 Race to Zero
Mechanical University	Tallahassee	United States	Participant
Florida International			2005 Solar Decathlon;
University (University of			2011 Solar Decathlon;
Florida International			2018 Race to Zero
Center)	Miami	United States	Participant
Florida State University	Tallahassee	United States	2011 Solar Decathlon
Geneva University of Art			
and Design	Charleston	United States	2017 Solar Decathlon

			2007 Solar Decathlon;
			2014 Race to Zero
			Finalist; 2015 Race to
			Zero Finalist; 2016 Race
			to Zero Finalist; 2017
			Race to Zero Finalist;
			2018 Race to Zero
			Finalist; 2019 Design
			Challenge Finalist; 2022
Georgia Institute of			Design Challenge
Technology	Atlanta	United States	Participant
			2011 Solar Decathlon;
			2013 Solar Decathlon;
			2018 Race to Zero
			Participant; 2019 Design
Hampton University	Hampton	United States	Challenge Finalist
			2021 Design Challenge
			Finalist; 2022 Design
Harvard University	Cambridge	United States	Challenge Participant
Higher Institute of	cambridge		
Agronomy of Chott-			2021 Design Challenge
Mariem	Chott Mariem	Tunisia	Finalist
		Turnsia	2017 Solar Decathlon;
Hogeschool Utrecht	Utrecht	Netherlands	2017 Solar Decathon, 2020 Build Challenge
	Otrecht	Nethenanus	2015 Race to Zero
Holland College	Charlottetown	Canada	Finalist
	Charlottetown	Callaua	2017 Race to Zero
			Finalist; 2018 Race to
			Zero Participant; 2019
			•
Hope College	Holland	United States	Design Challenge Participant
Hope College	Holianu		·
Howard University	Washington	United States	2022 Design Challenge Participant
Howard University	Washington		2015 Race to Zero
			Finalist; 2016 Race to
			Zero Finalist; 2017 Race
			to Zero Finalist; 2018
			Race to Zero Finalist;
Lumboldt Ctota Luiberati	Areata	Linited States	2019 Design Challenge
Humboldt State University	Arcata	United States	Participant

			2021 Design Challenge
Idaho State University	Pocatello	United States	Participant
			2018 Race to Zero
			Participant; 2021 Design
			Challenge Finalist; 2023
IIT Bombay	Mumbai	India	Build Challenge
			2014 Race to Zero
			Finalist; 2016 Race to
			Zero Finalist; 2017 Race
			to Zero Finalist; 2018
			Race to Zero Finalist;
			2019 Design Challenge
			Finalist; 2020 Design
			Challenge Finalist; 2021
			Design Challenge
Illinois Institute of			Finalist; 2022 Design
Technology	Chicago	United States	Challenge Participant
			2015 Race to Zero
			Finalist; 2016 Race to
			Zero Finalist; 2017 Race
			to Zero Finalist; 2018
Illinois State University	Normal	United States	Race to Zero Participant
			2018 Race to Zero
			Participant; 2019 Design
			Challenge Finalist; 2020
Indiana UniversityPurdue			Design Challenge
University Indianapolis	Indianapolis	United States	Participant
Institute of Higher			2021 Design Challenge
Commercial Studies	Carthage	Tunisia	Finalist
			2009 Solar Decathlon;
			2014 Race to Zero
Iowa State University of			Participant; 2020 Design
Science and Technology	Ames	United States	Challenge Participant
Irvine Valley College	Irvine	United States	2015 Solar Decathlon
ITCA FEPADE School			2022 Design Challenge
Specialized in Engineering	Santa Tecla	El Salvador	Participant
			2022 Design Challenge
Jackson State University	Jackson	United States	Participant
			2007 Solar Decathlon;
			2018 Race to Zero
Kansas State University	Manhattan	United States	Finalist; 2019 Design

Art and Design	Chicago	United States	2011 Solar Decathlon
Massachusetts College of			
Marywood University	Scranton	United States	2021 Design Challenge Finalist
Architecture, The	Manchester	United Kingdom	Design Challenge Finalist
Manchester School of			Challenge Finalist; 2021
			Finalist; 2019 Design
			2018 Race to Zero
Association	Ludong	China	Participant
Energy & Environment	_		2015 Race to Zero
Ludong University ES			
Louisiana State University	Baton Rouge	United States	Zero Finalist
			Finalist; 2018 Race to
			2017 Race to Zero
University	Southfield	United States	2007 Solar Decathlon
Lawrence Technological			
College	Lansing	United States	Participant
Lansing Community			2016 Race to Zero
Lake Superior College	Duluth	United States	Finalist
			2014 Race to Zero
Kocaeli Üniversitesi	Kocaeli	Turkey	2023 Build Challenge
College	Cedar Rapids	United States	Participant
Kirkwood Community			2014 Race to Zero
Petroleum & Minerals	Dhahran	Saudi Arabia	Challenge Finalist
King Fahd University of			Finalist; 2020 Design
			2019 Design Challenge
District	Bakersfield	United States	Participant
Kern Community College			2022 Design Challenge
Kennesaw State University	Kennesaw	United States	Participant
			Design Challenge
			Challenge Finalist; 2022
			Participant; 2021 Design
			2018 Race to Zero
			Participant
			Design Challenge
			Challenge Finalist; 2022
			Participant; 2021 Design
			Design Challenge
			Build Challenge; 2020
			Challenge Finalist; 2020

			2007 Solar Decathlon;
			2019 Design Challenge
Massachusetts Institute of			Participant; 2020 Design
Technology	Cambridge	United States	Challenge Participant
McGill University	Montreal	Canada	2007 Solar Decathlon
			2007 Solar Decation
			Finalist; 2018 Race to
			Zero Finalist; 2019
			Design Challenge
			Finalist; 2020 Design
Miami University	Oxford	United States	Challenge Finalist
			2016 Race to Zero
			Participant; 2019 Design
			Challenge Finalist; 2022
Michigan Chata I laisanaita	Fasting	United Ctates	Design Challenge
Michigan State University	East Lansing	United States	Participant
Middle Tennessee State			
University	Murfreesboro	United States	2015 Solar Decathlon
			2011 Solar Decathlon;
			2013 Solar Decathlon;
			2018 Race to Zero
Middlebury College	Middlebury	United States	Finalist
Mimar Sinan Güzel			
Sanatlar Üniversitesi	Istanbul	Turkey	2023 Build Challenge
	Saint-Étienne-Du-		
MINES Saint-Étienne	Rouvray	France	2023 Build Challenge
			2021 Design Challenge
			Finalist; 2023 Build
Mississippi State University	Mississippi State	United States	Challenge
			2009 Solar Decathlon;
			2013 Solar Decathlon;
			2015 Solar Decathlon;
			2017 Solar Decathlon;
			2015 Race to Zero
			Finalist; 2020 Design
			Challenge Finalist; 2021
			Design Challenge
			Finalist; 2002 Solar
MISSOURI UNIVERSITY OF			Decathlon; 2005 Solar
SCIENCE AND			Decathlon; 2022 Design

			2019 Design Challenge
			Participant; 2020 Design Challenge Participant;
			2020 Design Challenge
			Finalist; 2021 Design
			Challenge Participant;
			2021 Design Challenge
			Finalist; 2023 Build
			Challenge; 2022 Design
Monash University	Clayton, Victoria	Australia	Challenge Participant
			2016 Race to Zero
Montana State University	Bozeman	United States	Finalist
			2020 Design Challenge
Morehouse College	Atlanta	United States	Finalist
			2017 Race to Zero
			Participant; 2021 Design
Morgan State University	Baltimore	United States	Challenge Participant
Mount Royal University	Calgary	Canada	2009 Solar Decathlon
			2021 Design Challenge
			Finalist; 2022 Design
Myongji University	Seoul	Korea, Republic of	Challenge Participant
			2021 Design Challenge
National Engineering			Finalist; 2022 Design
School of Monastir	Monastir	Tunisia	Challenge Participant
National Engineering			2021 Design Challenge
School of Sousse	Sousse	Tunisia	Participant
National Institute of			2021 Design Challenge
Design, Ahmedabad	Ahmedabad	India	Finalist
National School of			
Architecture and Urban			2021 Design Challenge
Planning	Carthage	Tunisia	Finalist
National University of			
Singapore	Singapore	Singapore	2015 Solar Decathlon
			2021 Design Challenge
			Participant; 2023 Build
			Challenge; 2022 Design
Navajo Technical College	Crownpoint	United States	Challenge Participant
New Jersey Institute of			2005 Solar Decathlon;
Technology	Newark	United States	2011 Solar Decathlon
New Mexico State			2022 Design Challenge
University	Las Cruces	United States	Participant
University			rarticipant

			2015 Solar Decathlon;
New York City College of			2022 Design Challenge
Technology	New York	United States	Participant
New York Institute of			
Technology	New York	United States	2007 Solar Decathlon
NewSchool of Architecture			
& Design	San Diego	United States	2023 Build Challenge
Norges teknisk-			
naturvitenskapelige			
universitet (Norwegian			
University of Science and			2015 Race to Zero
, Technology)	Trondheim	Norway	Participant
North Carolina A&T State		,	2020 Design Challenge
University	Greensboro	United States	Participant
North East University			2019 Design Challenge
Bangladesh	Sylhet	Bangladesh	Participant
	-,		2015 Race to Zero
			Finalist; 2017 Race to
			Zero Finalist; 2018 Race
			to Zero Participant;
			2021 Design Challenge
			Finalist; 2023 Build
Northeastern University	Boston	United States	Challenge
			2017 Solar Decathlon;
			2021 Design Challenge
			Finalist; 2022 Design
Northwestern University	Evanston	United States	Challenge Participant
,			2013 Solar Decathlon;
			2018 Race to Zero
			Finalist; 2022 Design
Norwich University	Northfield	United States	Challenge Participant
· ·			2021 Design Challenge
Oberlin College	Oberlin	United States	Finalist
U			2022 Design Challenge
Ohio University	Athens	United States	Participant
,		-	2011 Solar Decathlon;
			2013 Solar Decathlon;
			2018 Race to Zero
Old Dominion University	Norfolk	United States	Participant
Onondaga Community			2014 Race to Zero
College	Syracuse	United States	Finalist

			2019 Design Challenge
Oregon State University	Corvallis	United States	Participant
			2018 Race to Zero
Pars University	Tehran	Iran	Participant
Penn State University			
Harrisburg	State College	United States	2023 Build Challenge
			2014 Race to Zero
			Finalist; 2015 Race to
			Zero Finalist; 2016 Race
			to Zero Finalist; 2017
			Race to Zero Participant;
			2019 Design Challenge
			Participant; 2020 Design
			Challenge Finalist; 2021
			Design Challenge
Pennsylvania College of			Participant; 2022 Design
Technology	Williamsport	United States	Challenge Participant
Polytechnic University of			2022 Design Challenge
Turin	Torino	Italy	Participant
			2015 Race to Zero
			Finalist; 2016 Race to
			Zero Finalist; 2017 Race
			to Zero Finalist; 2018
			Race to Zero Finalist;
Prairie View A&M			2022 Design Challenge
University	Prairie View	United States	Participant
			2021 Design Challenge
			Participant; 2022 Design
Pratt Institute	Brooklyn	United States	Challenge Participant
			2011 Solar Decathlon;
			2017 Race to Zero
			Finalist; 2018 Race to
			Zero Participant; 2020
Purdue University	West Lafayette	United States	Design Challenge Finalist
			2013 Solar Decathlon;
			2018 Race to Zero
			Finalist; 2019 Design
			Challenge Participant;
			2020 Design Challenge
			Participant; 2021 Design
Queen's University	Kingston	Canada	Challenge Finalist; 2022

			Design Challenge
			Participant
Red Rocks Community			2018 Race to Zero
College	Lakewood	United States	Finalist
			2015 Race to Zero
Rensselaer Polytechnic			Finalist; 2019 Design
Institute	Troy	United States	Challenge Participant
			2005 Solar Decathlon;
			2018 Race to Zero
Rhode Island School of			Finalist; 2019 Design
Design	Providence	United States	Challenge Participant
Rice University	Houston	United States	2009 Solar Decathlon
			2017 Race to Zero
Rochester Institute of			Participant; 2021 Design
Technology	Rochester	United States	Challenge Finalist
			2014 Race to Zero
			Finalist; 2016 Race to
Roger Williams University	Bristol	United States	Zero Finalist
			2002 Solar Decathlon;
Rolla Technical Institute	Rolla	United States	2005 Solar Decathlon
			2011 Solar Decathlon;
			2014 Race to Zero
Rutgers University	New Brunswick	United States	Finalist
			2009 Solar Decathlon;
			2014 Race to Zero
			Finalist; 2015 Race to
			Zero Finalist; 2016 Race
			to Zero Finalist; 2017
			Race to Zero Finalist;
			2018 Race to Zero
			Finalist; 2019 Design
			Challenge Participant;
			2020 Design Challenge
			Finalist; 2021 Design
			Challenge Finalist; 2022
			Design Challenge
Ryerson University	Toronto	Canada	Participant
Sacramento State	Sacramento	United States	2015 Solar Decathlon
			2015 Solar Decathlon;
			2019 Design Challenge
Saddleback College	Mission Viejo	United States	Participant

			2019 Design Challenge
Salt Lake Community			Participant; 2020 Design
College	Salt Lake City	United States	Challenge Participant
San Jose State University	San Jose	United States	2023 Build Challenge
			2007 Solar Decathlon;
			2009 Solar Decathlon;
Santa Clara University	Santa Clara	United States	2013 Solar Decathlon
Santa Fe College	Gainesville	United States	2015 Solar Decathlon
			2022 Design Challenge
Santa Monica College	Santa Monica	United States	Participant
Sathyabama Institue of			2020 Design Challenge
Science and Technology	Chennai	India	Finalist
Savannah College of Art			
and Design	Savannah	United States	2023 Build Challenge
School of Engineering and			
Architecture Fribourg	Fribourg	Switzerland	2017 Solar Decathlon
			2021 Design Challenge
School of Planning and			Finalist; 2022 Design
Architecture, New Delhi	New Delhi	India	Challenge Participant
		Iran, Islamic Republic	2019 Design Challenge
Shahid Beheshti University	Tehran	of	Participant
		Iran, Islamic Republic	2019 Design Challenge
Sharif University	Tehran	of	Participant
		Iran, Islamic Republic	2022 Design Challenge
Shiraz University	Shiraz	of	Participant
			2009 Solar Decathlon;
			2021 Design Challenge
Simon Fraser University	Burnaby	Canada	Finalist
			2018 Race to Zero
			Participant; 2020 Design
Southeastern University	Lakeland	United States	Challenge Finalist
Southern Alberta Institute			
of Technology	Calgary	Canada	2009 Solar Decathlon
Southern California			2011 Solar Decathlon;
Institute of Architecture	Los Angeles	United States	2013 Solar Decathlon
SRM Institute of Science			2020 Design Challenge
and Technology	Kattankulathur	India	Participant
			2013 Solar Decathlon;
			2019 Design Challenge
Stanford University	Stanford	United States	Participant

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			2014 Race to Zero
			Finalist; 2018 Race to
			Zero Finalist; 2019
			Design Challenge
			Finalist; 2020 Design
			Challenge Finalist; 2021
State University of New			Design Challenge
York – Environmental			Participant; 2022 Design
Science and Forestry	Syracuse	United States	Challenge Participant
			2011 Solar Decathlon;
Stevens Institute of			2013 Solar Decathlon;
Technology	Hoboken	United States	2015 Solar Decathlon
			2014 Race to Zero
			Participant; 2017 Race
			to Zero Finalist; 2018
			Race to Zero Finalist;
			2019 Design Challenge
			Finalist; 2020 Design
			Challenge Finalist; 2021
			Design Challenge
			Participant; 2022 Design
Syracuse University	Syracuse	United States	Challenge Participant
Technische Universitaet	,		5 1
Muenchen	München	Germany	2015 Solar Decathlon
Technische Universität			2007 Solar Decathlon;
Darmstadt	Darmstadt	Germany	2009 Solar Decathlon
Dannotaat	Dannistaat		2018 Race to Zero
			Participant; 2019 Design
			Challenge Participant;
		Iran, Islamic Republic	2022 Design Challenge
Tehran University of Art	Tehran	of	Participant
			2018 Race to Zero
			Participant; 2020 Design
Tomple University	Philadelphia	United States	Challenge Participant
Temple University	Fillaueipilla		,
			2018 Race to Zero
			Finalist; 2021 Design
			Challenge Participant;
—			2022 Design Challenge
	A. 1		
Tennessee State University	Nashville	United States	Participant
Tennessee State University Texas A&M University	Nashville College Station	United States United States	2002 Solar Decathlon; 2007 Solar Decathlon;

			2014 Race to Zero
			Participant; 2022 Design
			Challenge Participant;
			2023 Build Challenge
Texas A&M University-			2018 Race to Zero
Kingsville	Kingsville	United States	Participant
The Art Institute of			
Pittsburgh	Pittsburgh	United States	2005 Solar Decathlon
The Catholic University of			
America	Washington	United States	2013 Solar Decathlon
The George Washington			
University	Washington	United States	2013 Solar Decathlon
The New School	New York	United States	2011 Solar Decathlon
			2009 Solar Decathlon;
The Ohio State University	Columbus	United States	2011 Solar Decathlon
			2007 Solar Decathlon;
			2009 Solar Decathlon;
			2014 Race to Zero
			Finalist; 2015 Race to
			Zero Finalist; 2016 Race
			to Zero Finalist; 2017
			Race to Zero Finalist;
			2018 Race to Zero
			Finalist; 2019 Design
			Challenge Finalist; 2020
			Design Challenge
			Finalist; 2021 Design
			Challenge Participant;
The Pennsylvania State			2022 Design Challenge
University	State College	United States	Participant
			2021 Design Challenge
The School of Architecture	Arcosanti	United States	Participant
	740050110		2017 Solar Decathlon;
The University of Alabama			2017 Solar Decatholi, 2020 Design Challenge
at Birmingham	Birmingham	United States	Finalist
			2020 Design Challenge
The University of Dritich			Finalist; 2021 Design
The University of British		Canada	Challenge Finalist; 2023
Columbia	Vancouver	Canada	Build Challenge
			2007 Solar Decathlon;
The University of Kansas	Lawrence	United States	2014 Race to Zero

			Finalist; 2023 Build
			Challenge
The University of North			2021 Design Challenge
Carolina at Chapel Hill	Chapel Hill	United States	Participant
			2011 Solar Decathlon;
			2015 Race to Zero
The University of			Finalist; 2016 Race to
Tennessee	Knoxville	United States	Zero Finalist
The University of Texas at			2022 Design Challenge
Arlington	Arlington	United States	Participant
			2002 Solar Decathlon;
			2005 Solar Decathlon;
			2007 Solar Decathlon;
			2015 Solar Decathlon;
			2019 Design Challenge
The University of Texas at			Finalist; 2022 Design
Austin	Austin	United States	Challenge Participant
The University of Texas at			
El Paso	El Paso	United States	2013 Solar Decathlon
The University of Texas at			2022 Design Challenge
San Antonio	San Antonio	United States	Participant
			2014 Race to Zero
			Finalist; 2018 Race to
The University of Utah	Salt Lake City	United States	Zero Participant
			2017 Race to Zero
			Finalist; 2018 Race to
			Zero Participant; 2019
			Design Challenge
			Participant; 2022 Design
The University of Vermont	Burlington	United States	Challenge Participant
			2016 Race to Zero
			Finalist; 2018 Race to
			Zero Finalist; 2019
			Design Challenge
			Finalist; 2020 Design
			Challenge Finalist; 2021
			Design Challenge
			Finalist; 2022 Design
Thomas Jefferson			Challenge Participant;
University	Philadelphia	United States	2023 Build Challenge
Tongji University	Shanghai	China	2011 Solar Decathlon

			2019 Design Challenge
Tsinghua University	Beijing	China	Finalist
			2019 Design Challenge
			Finalist; 2022 Design
TU Berlin	Berlin	Germany	Challenge Participant
Tufts University	Medford	United States	2009 Solar Decathlon
Tuskegee University	Tuskegee Institute	United States	2002 Solar Decathlon
			2002 Solar Decathlon;
			2013 Solar Decathlon;
			2017 Race to Zero
UNC Charlotte	Charlotte	United States	Finalist
			2018 Race to Zero
Unijuazeiro	Juazeiro do Norte	Brazil	Participant
			2018 Race to Zero
United States Military			Finalist; 2019 Design
Academy	West Point	United States	Challenge Participant
Universidad Autonoma de	San Nicolás de los		2020 Design Challenge
Nueva Leon	Garza	Mexico	Participant
Universidad Católica del			2022 Design Challenge
Norte	Antofagasta	Chile	Participant
			2002 Solar Decathlon;
			2005 Solar Decathlon;
			2007 Solar Decathlon;
Universidad de Puerto Rico	San Juan	Puerto Rico	2009 Solar Decathlon
			2020 Design Challenge
Universidad Indoamérica	Pichincha	Ecuador	Finalist
Universidad Nacional			2022 Design Challenge
Autónoma de México	Mexico City	Mexico	Participant
			2005 Solar Decathlon;
Universidad Politécnica de			2007 Solar Decathlon;
Madrid	Madrid	Spain	2009 Solar Decathlon
			2021 Design Challenge
Universidad Santo Tomás	Bucaramanga	Colombia	Participant
Universidad Técnica			
Federico Santa María	Valparaíso	Chile	2020 Build Challenge
Universidad Tecnologica			
Centroamericana	Tegucigalpa	Honduras	2015 Solar Decathlon
			2019 Design Challenge
Universidad Tecnológica de			Finalist; 2015 Solar
Panamá	Panama City	Panama	Decathlon

			2020 Design Challenge
Universidade de Brasília	Brasília Df	Brazil	Participant
Universidade Federal do			2018 Race to Zero
Cariri	Juazeiro Do Norte	Brazil	Participant
			2017 Race to Zero
			Finalist; 2018 Race to
Universidade Federal do			Zero Participant; 2019
Paraná	Curitiba	Brazil	Design Challenge Finalist
Université Abdelmalek			
Essaâdi Tétouan	Tetouan	Morocco	2023 Build Challenge
			2005 Solar Decathlon;
Université de Montréal	Montreal	Canada	2007 Solar Decathlon
Université Mohammed V			2022 Design Challenge
de Rabat	Rabat	Morocco	Participant
Université Moulay Ismaïl	Meknes City	Morocco	2023 Build Challenge
, Universiteit Gent	Gent	Belgium	2011 Solar Decathlon
			2020 Design Challenge
Universiti Putra Malaysia	Selangor	Malaysia	Participant
University at Buffalo	Buffalo	, United States	2015 Solar Decathlon
University of Alaska			2022 Design Challenge
Anchorage	Fairbanks	United States	Participant
			2018 Race to Zero
University of Alaska			Participant; 2022 Design
, Fairbanks	Fairbanks	United States	Challenge Participant
			2019 Design Challenge
University of Alberta	Edmonton	Canada	Participant
			2009 Solar Decathlon;
			2018 Race to Zero
			Finalist; 2019 Design
			Challenge Finalist; 2020
			Design Challenge
			Finalist; 2021 Design
			Challenge Finalist; 2022
			Design Challenge
University of Arizona	Tucson	United States	Participant
-			2009 Solar Decathlon;
			2011 Solar Decathlon;
University of Calgary	Calgary	Canada	2013 Solar Decathlon
	-		2020 Design Challenge
University of California Los			Finalist; 2021 Design
Angeles	Los Angeles	United States	Challenge Finalist; 2022

			Design Challenge
			Participant
			2015 Race to Zero
			Finalist; 2017 Solar
			-
			Decathlon; 2021 Design
			Challenge Finalist; 2023
			Build Challenge; 2022
University of California,			Design Challenge
Berkeley	Berkeley	United States	Participant
University of California,			2015 Solar Decathlon;
Davis	Davis	United States	2017 Solar Decathlon
University of California,			
Irvine	Irvine	United States	2015 Solar Decathlon
			2015 Race to Zero
University of California,			Participant; 2023 Build
San Diego	San Diego	United States	Challenge
			2022 Design Challenge
University of Canterbury	Christchurch	New Zealand	Participant
			2021 Design Challenge
			Finalist; 2022 Design
University of Carthage	Carthage	Tunisia	Challenge Participant
			2011 Solar Decathlon;
			2018 Race to Zero
			Participant; 2020 Design
			Challenge Finalist; 2021
			Design Challenge
University of Central			Finalist; 2022 Design
Florida	Orlando	United States	Challenge Participant
			2007 Solar Decathlon;
			2018 Race to Zero
			Finalist; 2019 Design
			Challenge Finalist; 2020
			Design Challenge
			Participant; 2021 Design
			Challenge Finalist; 2022
			Design Challenge
University of Cincinnati	Cincinnati	United States	Participant
			•
			2002 Solar Decathlon;
Linivorsity of Colorado			2007 Solar Decathlon;
University of Colorado	Devilder		2015 Race to Zero
Boulder	Boulder	United States	Participant; 2017 Race

			to Zero Finalist; 2020
			Build Challenge; 2021
			Design Challenge
			Finalist; 2022 Design
			Challenge Participant;
			2023 Build Challenge
			2005 Solar Decathlon;
			2014 Race to Zero
University of Colorado			Finalist; 2021 Design
Denver	Denver	United States	Challenge Finalist
			2002 Solar Decathlon;
			2021 Design Challenge
University of Delaware	Newark	United States	Finalist
			2017 Solar Decathlon;
			2017 Race to Zero
			Participant; 2020 Build
University of Denver	Denver	United States	Challenge
			2011 Solar Decathlon;
University of Florida	Gainesville	United States	2015 Solar Decathlon
, University of Fribourg	Fribourg	Switzerland	2017 Solar Decathlon
			2015 Race to Zero
University of Hartford	W Hartford	United States	Finalist
University of Hawaii			
System	Honolulu	United States	2011 Solar Decathlon
			2007 Solar Decathlon;
			2009 Solar Decathlon;
			2011 Solar Decathlon;
			2011 Solar Decatholi, 2014 Race to Zero
			Finalist; 2015 Race to
			Zero Finalist; 2016 Race
			to Zero Finalist; 2010 Nace
			Race to Zero Finalist;
			2018 Race to Zero
			Finalist; 2019 Design
			Challenge Finalist; 2020
			Design Challenge
			Participant; 2021 Design
			Challenge Finalist; 2022
			Design Challenge
University of Illinois at			Participant; 2023 Build
Urbana-Champaign	Champaign	United States	Challenge

			2009 Solar Decathlon;
University of Kentucky	Lexington	United States	2013 Solar Decathlon
University of Liverpool	Liverpool	United Kingdom	2023 Build Challenge
University of Louisiana at			
Lafayette	Lafayette	United States	2009 Solar Decathlon
University of Louisville	Louisville	United States	2013 Solar Decathlon
			2002 Solar Decathlon;
			2005 Solar Decathlon;
			2007 Solar Decathlon;
			2011 Solar Decathlon;
			2017 Solar Decathlon;
			2017 Race to Zero
			Participant; 2021 Design
University of Maryland	College Park	United States	Challenge Participant
University of			
, Massachusetts Dartmouth	Dartmouth	United States	2005 Solar Decathlon
			2011 Solar Decathlon;
University of			2014 Race to Zero
Massachusetts Lowell	Lowell	United States	Finalist
			2015 Race to Zero
			Participant; 2016 Race
			to Zero Finalist; 2018
University of Miami	Coral Gables	United States	Race to Zero Finalist
University of Michigan	Ann Arbor	United States	2005 Solar Decathlon
			2009 Solar Decathlon;
			2014 Race to Zero
			Finalist; 2015 Race to
			Zero Finalist; 2017 Race
			to Zero Finalist; 2019
University of Minnesota	Minneapolis	United States	Design Challenge Finalist
			2009 Solar Decathlon;
			2016 Race to Zero
			Finalist; 2017 Race to
			Zero Participant; 2018
			Race to Zero Finalist;
			2019 Design Challenge
			Finalist; 2021 Design
			Challenge Finalist; 2022
			Design Challenge
University of Missouri	Columbia	United States	Participant

University of Nebraska-			2016 Race to Zero
Lincoln	Lincoln	United States	Finalist
			2013 Solar Decathlon;
			2014 Race to Zero
			Finalist; 2015 Race to
			Zero Finalist; 2017 Solar
University of Nevada, Las			Decathlon; 2020 Build
Vegas	Las Vegas	United States	Challenge
			2021 Design Challenge
University of New			Finalist; 2022 Design
Hampshire	Durham	United States	Challenge Participant
			2017 Race to Zero
University of New Haven	West Haven	United States	Finalist
<u> </u>			2013 Solar Decathlon;
			2019 Design Challenge
University of New Mexico	Albuquerque	United States	Participant
			2018 Race to Zero
University of North Dakota	Grand Forks	United States	Participant
			2015 Race to Zero
			Finalist; 2016 Race to
			Zero Finalist; 2017 Race
			to Zero Finalist; 2022
			Design Challenge
University of North Texas	Denton	United States	Participant
			2018 Race to Zero
			Participant; 2020 Design
			Challenge Finalist; 2021
			Design Challenge
			Finalist; 2022 Design
University of Oregon	Eugene	United States	Challenge Participant
			2005 Solar Decathlon;
			2014 Race to Zero
University of Pittsburgh	Pittsburgh	United States	Finalist
			2015 Race to Zero
			Finalist; 2017 Race to
			Zero Finalist; 2019
University of Portland	Portland	United States	Design Challenge Finalist
			2021 Design Challenge
University of Rochester	Rochester	United States	Finalist
University of Roma Tor			
Vergata	Rome	Italy	2015 Solar Decathlon

University of Santo TomasManilaPhilippines2019 Design Challenge ParticipantUniversity of South FloridaTampaUnited States2011 Solar DecathlonUniversity of South FloridaTampaUnited States2013 Solar DecathlonUniversity of SouthernLos AngelesUnited StatesRace to ZeroCaliforniaLos AngelesUnited StatesRace to Zero ParticipantUniversity of TechnologyUltimoAustralia2012 Design ChallengeSydneyUltimoAustralia2022 Design ChallengeUniversity of Tennasee at ChattanoogaChattanooga2018 Race to ZeroUniversity of the District of ColumbiaChattanoogaUnited States2018 Race to ZeroUniversity of the District of ColumbiaChallenge2018 Race to Zero2018 Race to ZeroUniversity of the District of University of theChallenge2018 Race to Zero2018 Race to ZeroUniversity of TorontoTorontoChallenge2012 Design Challenge2012 Design ChallengeUniversity of theVashingtonUnited StatesChallenge Finalist2020 Design ChallengeUniversity of VictoriaJohannesburgSouth AfricaChallenge2018 Race to ZeroUniversity of VirginiaCharlottesvilleUnited States2022 Design ChallengeUniversity of VirginiaCharlottesvilleUnited States2019 Design ChallengeUniversity of VirginiaCharlottesvilleUnited States2022 Design ChallengeUniversity of VirginiaCharlottesville	University of San Francisco	San Francisco	United States	2023 Build Challenge
University of South FloridaTampaUnited States2011 Solar Decathlon; 2013 Solar Decathlon; 2016 Race to Zero Finalist; 2017 Race to Zero Participant; 2018 Race to Zero ParticipantUniversity of Southern CaliforniaLos AngelesUnited StatesRace to Zero ParticipantUniversity of Technology SydneyUtimoAustraliaParticipantUniversity of TehranTehranIran, Islamic Republic2018 Race to ZeroUniversity of Tennessee at ChattanoogaIran, Islamic Republic2022 Design ChallengeUniversity of the District of ColumbiaChattanoogaUnited StatesParticipantUniversity of the District of ColumbiaWashingtonUnited States2021 Design ChallengeUniversity of TorontoJohannesburgSouth AfricaChallenge Finalist; 2021 Design ChallengeUniversity of VictoriaJohannesburgSouth Africa2014 Race to ZeroUniversity of VictoriaVictoriaCanadaZero Participant; 2020 Design ChallengeUniversity of VictoriaVictoriaCanadaZero ParticipantUniversity of VictoriaVictoriaCanadaZero ParticipantUniversity of VirginiaCharlottesvilleUnited States2018 Race to ZeroUniversity of VirginiaCharlottesvilleZozo Design ChallengeUniversity of VirginiaCharlottesvilleZero ParticipantUniversity of VirginiaCharlottesvilleZenadaUniversity of VirginiaCharlottesvilleChandaUniversity of VirginiaCharlottesville				2019 Design Challenge
University of SouthernLos AngelesUnited States2013 Solar Decathlon; 2016 Race to Zero Finalist; 2017 Race to Zero Participant; 2018 Race to Zero ParticipantUniversity of Technology SydneyUtimoAustralia2022 Design Challenge ParticipantUniversity of TehranTehranIran, Islamic Republic of2018 Race to Zero ParticipantUniversity of Tennessee at ChattanoogaUnited States2012 Design Challenge ParticipantUniversity of the District of ColumbiaChattanoogaUnited States2018 Race to Zero ParticipantUniversity of the District of ColumbiaWashingtonUnited States2018 Race to Zero Finalist; 2019 Design Challenge Participant; 2020 Design Challenge Finalist; 2021 Design Challenge Finalist; 2023 Build Challenge ErinalistUniversity of the University of VictoriaVictoriaCanadaZero ParticipantUniversity of VirginiaCharlottesvilleUnited States2002 Solar Decathlon Zero ParticipantUniversity of VirginiaCharlottesvilleUnited States2002 Solar Decathlon Zero ParticipantUniversity of VirginiaCharlottesvilleUnited States2002 Solar Decathlon Zero ParticipantUniversity of VirginiaCharlottesvilleUnited States2002 Solar Decathlon; ZO18 Race to Zero Finalist; 2018 Design Challenge ZO18 D	University of Santo Tomas	Manila	Philippines	Participant
University of SouthernLos AngelesUnited States2016 Race to ZeroCaliforniaLos AngelesUnited StatesRace to Zero Participant; 2018University of TechnologyUtimoAustraliaParticipantSydneyUltimoAustraliaParticipantUniversity of TehranTehranfran, Islamic Republic2018 Race to ZeroUniversity of Tennessee at ChattanoogaLoattanoogaUnited StatesParticipantUniversity of Tennessee at ChattanoogaUnited States2022 Design ChallengeUniversity of the District of ColumbiaKashingtonUnited States2020 Design ChallengeUniversity of the District of University of theWashingtonUnited States2020 Design ChallengeUniversity of theWashingtonUnited StatesChallenge Finalist; 2019 DesignUniversity of theJohannesburgSouth Africa2021 Design ChallengeUniversity of theTorontoCanada2014 Race to ZeroUniversity of VictoriaVictoriaCanada2014 Race to ZeroUniversity of VictoriaVictoriaCanada2012 Design ChallengeUniversity of VictoriaVictoriaCanada2012 Design ChallengeUniversity of VictoriaVictoriaCanada2012 Design ChallengeUniversity of VictoriaChallenge2018 Race to ZeroUniversity of VictoriaChallenge2018 Race to ZeroUniversity of VictoriaCharlottesvilleLine StatesUniversity of VictoriaChallenge2018 Ra	University of South Florida	Tampa	United States	2011 Solar Decathlon
University of Southern CaliforniaLos AngelesUnited StatesFinalist; 2017 Race to Zero Participant; 2018 Race to Zero Participant; 2028 Design Challenge ParticipantUniversity of Technology SydneyUltimoAustralia2028 Design Challenge ParticipantUniversity of TehranTehranof2018 Race to Zero ParticipantUniversity of Tennessee at ChattanoogaChattanoogaUnited States2022 Design Challenge ParticipantUniversity of the District of ColumbiaChattanoogaUnited States2022 Design Challenge ParticipantUniversity of the District of ColumbiaWashingtonUnited States2020 Design Challenge; Participant; 2020 Design Challenge; 2021 Design Challenge Finalist; 2021 Design Challenge 2021 Design Challenge; 2021 Design Challenge; 2022 Design Challenge; 2021 Design Challenge; 2022 Design Challenge; 2020 Design Challenge; 2020 Design Challenge; 2020 Design Challenge; 2020 Design Challenge; 2020 Design Challenge; 2020 Design Ch		-		2013 Solar Decathlon;
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University of WaterlooWaterlooCanada2020 Build Challenge; 2021 Design Challenge Finalist; 2023 BuildUniversity of WaterlooWaterlooCanadaChallengeUniversity of WaterlooUniversity of WaterlooCanadaChallenge				Finalist; 2019 Design
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University of WaterlooWaterlooFinalist; 2023 BuildCanadaChallenge2021 Design Challenge				2020 Build Challenge;
University of WaterlooWaterlooCanadaChallengeLL2021 Design Challenge				2021 Design Challenge
2021 Design Challenge				Finalist; 2023 Build
	University of Waterloo	Waterloo	Canada	Challenge
University of West Attica Athina Greece Participant				2021 Design Challenge
	University of West Attica	Athina	Greece	Participant

			2016 Race to Zero
			Finalist; 2017 Race to
			Zero Finalist; 2018 Race
			to Zero Participant;
			2019 Design Challenge
			Finalist; 2020 Design
			Challenge Finalist; 2021
			Design Challenge
University of Wisconsin-			Finalist; 2022 Design
Madison	Madison	United States	Challenge Participant
			2009 Solar Decathlon;
			2016 Race to Zero
			Participant; 2017 Race
			to Zero Participant;
			2018 Race to Zero
			Participant; 2019 Design
			Challenge Finalist; 2020
			Design Challenge
			Finalist; 2021 Design
			Challenge Finalist; 2022
University of Wisconsin-			Design Challenge
Milwaukee	Milwaukee	United States	Participant
University of Wisconsin-			2020 Design Challenge
Platteville	Platteville	United States	Participant
			2014 Race to Zero
			Finalist; 2015 Race to
			Zero Finalist; 2016 Race
			to Zero Finalist; 2023
University of Wyoming	Laramie	United States	Build Challenge
	Laranne		2018 Race to Zero
LINEW Sudmov	Kansington	Australia	
UNSW Sydney	Kensington	Australia	Finalist
US Merchant Marine	Creat No.		
Academy	Great Neck	United States	2005 Solar Decathlon
			2015 Solar Decathlon;
			2017 Race to Zero
			Finalist; 2018 Race to
Vanderbilt University	Nashville	United States	Zero Participant
			2020 Design Challenge
			Finalist; 2021 Design
Vermont Technical College	Randolph	United States	Challenge Participant;

			2022 Design Challenge
			Participant
Victoria University of			
Wellington	Wellington	New Zealand	2011 Solar Decathlon
Vienna University of			
Technology	Wien	Austria	2013 Solar Decathlon
			2002 Solar Decathlon;
			2005 Solar Decathlon;
			2009 Solar Decathlon;
			2014 Race to Zero
			Participant; 2015 Race
			to Zero Finalist; 2016
			Race to Zero Finalist;
			2017 Race to Zero
			Finalist; 2018 Race to
			Zero Finalist; 2019
			Design Challenge
			Finalist; 2020 Design
			Challenge Finalist; 2021
Virginia Polytechnic			Design Challenge
Institute and State			Finalist; 2022 Design
University	Blacksburg	United States	Challenge Participant
			2022 Design Challenge
Wake Forest University	Winston-Salem	United States	Participant
Washington State			2005 Solar Decathlon;
University	Pullman	United States	2017 Solar Decathlon
			2017 Solar Decathlon;
			2016 Race to Zero
			Finalist; 2017 Race to
			Zero Finalist; 2019
			Design Challenge
			Finalist; 2020 Design
Washington University in			Challenge Finalist; 2023
St Louis	St. Louis	United States	Build Challenge
			2017 Race to Zero
			Finalist; 2018 Race to
			Zero Finalist; 2020 Build
Weber State University	Ogden	United States	Challenge
			2014 Race to Zero
Wentworth Institute of			Participant; 2015 Race
Technology	Boston	United States	to Zero Participant;

			2022 Design Challenge
			Participant
			2013 Solar Decathlon;
			2015 Solar Decathlon;
			2017 Solar Decathlon;
			2019 Design Challenge
			Finalist; 2020 Design
West Virginia University	Morgantown	United States	Challenge Participant
			2015 Solar Decathlon;
Western New England			2019 Design Challenge
University	Springfield	United States	Finalist
			2017 Race to Zero
Western Technical College	La Crosse	United States	Participant
Western Washington			2021 Design Challenge
University	Bellingham	United States	Finalist
Woodbury University	Burbank	United States	2023 Build Challenge
			2015 Solar Decathlon;
			2018 Race to Zero
			Participant; 2019 Design
			Challenge Finalist; 2021
Yale University	New Haven	United States	Design Challenge Finalist