



Odebrecht Award

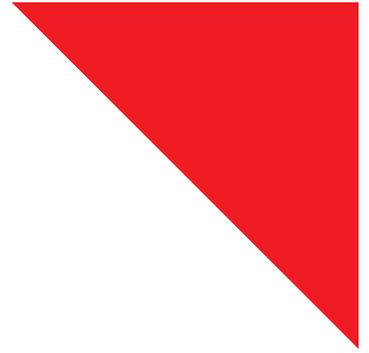
for Sustainable Development
United States

2016 Guidelines

ODEBRECHT

Braskem

odebrechtaward.com



The Odebrecht* Award for Sustainable Development is a partnership with universities and an opportunity for students to join the Odebrecht Organization in the search for new technologies and methods that promote sustainable and responsible development.

Historically, engineering has constructed a legacy of creativity and innovation that has stimulated the development of civilizations and the modernization of communities. Today, engineering's challenge is to be a source of ideas, techniques, and processes that promote sustainability, questioning the way we do things and delivering solutions to problems we are yet to face.

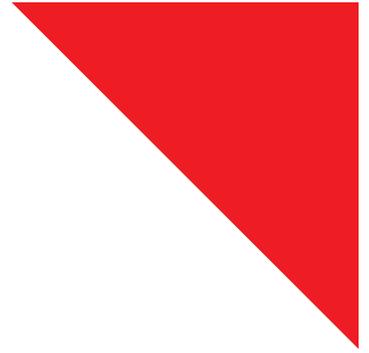
The Odebrecht Award for Sustainable Development recognizes and rewards the next generation of engineers, builders, architects, chemists, and forward thinkers.

Odebrecht USA and Braskem America invite students from universities across the United States to help us bridge the gap between the academic and corporate worlds, and find solutions that promote sustainability via the transfer and application of technology into the operational practice of business.

Innovation starts with a single idea. This is your opportunity to influence how engineering will change the world.

* "Odebrecht" refers to the controlling company, subsidiaries, and other affiliated companies that compose the Odebrecht Group. The United States edition of the Odebrecht Award for Sustainable Development is an initiative by Odebrecht USA and Braskem America – the U.S. civil construction and petrochemical divisions of the Group respectively.





Founded in 1944, the Odebrecht Group is a global leader, laying the groundwork for positive, sustainable change around the world.

With a presence throughout the Americas, Europe, Africa, Asia, and the Middle East, Odebrecht engages in diverse industries that energize economies and create value for our clients. Besides our strong leadership in engineering and construction through Construtora Norberto Odebrecht and in chemicals and petrochemicals through Braskem, the Odebrecht Group serves a variety of sectors including: sugar, ethanol, and bioenergy; oil and gas; transportation and logistics; and environmental engineering among others.

Partnering with clients around the world, the strength of the Odebrecht Organization is drawn from the Odebrecht Entrepreneurial Technology (TEO), a business culture based on Client Satisfaction and our Spirit of Service. We deliver solutions that benefit both client and community, enabling prosperity today and tomorrow.

The Odebrecht Sustainability Policy derives from TEO. We see sustainability as a multidimensional phenomenon that embraces social development, cultural diversity, environmental balance, political participation, and economic development.

Odebrecht is committed to initiatives that foster education, preserve cultural values, promote health, and generate income and development opportunities while mitigating and minimizing the environmental impacts of our operations in the communities we serve.

To learn more about the our corporate culture and sustainability, please visit www.odebrecht.com.





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About the Award.

The Odebrecht Organization recognizes the importance of integrating sustainability into the core of our business. Established in Brazil in 2008, the Odebrecht Award for Sustainable Development (the "Award") has expanded to Angola, Argentina, Colombia, Dominican Republic, Ecuador, Panama, Peru, Mexico, Venezuela, and the United States.

Since 2012, Odebrecht USA and Braskem America have hosted the United States edition of the Odebrecht Award for Sustainable Development, an annual competition that invites university students to join us in the search for innovative technologies and methods that promote sustainable and responsible development.

The Award is designed to stimulate contributions toward sustainable development for the benefit of engineering, construction, chemical, and petrochemical organizations; the academic community; and society as a whole. Whether related to new building techniques, new chemical and petrochemical processes, alternative environmental uses or sustainable materials, projects should explore innovative practices, methods and ideas that can be implemented in a variety of real-world ventures.

In order to compete, students must submit a project ("Entry" or "Entries") on engineering contributions to sustainable development. Students may work individually, or in groups, under the supervision of an Advising Professor.

Please refer to *Eligibility* and *Participation* for details.



Entries should incorporate the following concepts:

Innovation: new or alternative methods, models, and technologies related to engineering, construction, or chemical practices that have the potential to drive real change.

Results & Impact: measurable or quantifiable results that produce a significant positive impact.

Potential to Scale up & Replicate: viable on a broad-scale and/or replicable in other settings.

Feasibility: financially sustainable business model (i.e. cost of implementation must be offset by savings, gain, or value-added).

Value Creation: generate value for stakeholders.

Sustainability: alignment with Odebrecht's definition of sustainability: a multidimensional phenomenon that encompasses social, economic, environmental, political, and cultural dimensions. Visit www.odebrecht.com and click on the sustainability tab to learn more about sustainability means for the Odebrecht Group.

Relevance: Applicability to the Odebrecht Organization's operations, with a focus on solutions for the following sectors:

Engineering and Construction

Chemicals and Petrochemicals

Transportation and Logistics

Environmental Engineering

Energy

Oil and Gas

Water

Other: ideas that push the boundaries and demonstrate a holistic approach of sustainable principles to create value, improve quality of life, generate opportunities, and promote sustainable progress.





Eligibility.

a. General

Students who wish to participate (“Participant” or “Participants”) must register individually (“Individual Participant”) or in groups (“Participant Group”) of no more than three (3) students.

All Participants must be enrolled full-time at a U.S. accredited university (“University”) up through the date of final project submission. Eligible universities are included in the Database of Accredited Postsecondary Institutions and Programs by the U.S. Department of Education.

The Award is open to students pursuing Bachelors or Masters degrees

Individual Participants must be pursuing a degree in Engineering (all areas), Architecture, Building and Construction Management, or Chemistry.

Participant Groups must have at least one (1) team member pursuing a degree in Engineering (all areas), Architecture, Building and Construction Management, or Chemistry. Participants are allowed and encouraged to invite students from any other school or department within the same University to form a Participant Group.

Each Entry must be submitted under the supervision of a professor (“**Advising Professor**”) of the Participant/Participant Group's University. Learn more details about the Advising Professor in *Participation*.

International students must be attending the University for the entire duration of his or her academic degree program. International students in the United States on temporary study abroad programs are not eligible to compete. Visit www.premioodebrecht.com to find out if the Award is available in your country.

The Award does not discriminate on any basis, including race, religion, color, national origin, sex, age, or disability.



b. Authorship

It is mandatory that the Participant(s) be the original author(s) of the submitted Entry.

c. Jurisdiction

These Guidelines apply only to the United States edition of the Odebrecht Award for Sustainable Development. To learn about other countries where the Award competition is held, please visit www.premioodebrecht.com.

d. Language Requirement

Entries must be submitted in English.

e. Further Restrictions

Employees of the Odebrecht Group, and/or members of their immediate families (defined as parents, children, siblings and spouses, regardless of where they reside, and/or those living in the same household, whether related or not) are not eligible to participate.





Participation.

The registration period begins January 1st, 2015 at 0:01 am EST. All entries must be submitted by May 31st, 2016 at midnight EST (“Award Period”).

a. General

All Entries must be submitted during the Award Period through the Award website at www.odebrechtaward.com. Files must be maximum of 15MB.

All Registrations and Entries must be fully completed by the end of the Award Period; partial submissions will not be considered.

Participants and/or Participant Groups may submit more than one Entry; however, each Entry must be registered and submitted independently.

Participants are responsible for any costs related to registration, development, and submission of Entries.

b. Accompanying Documentation

In addition to the Entry, the following documents must be uploaded to the system in a single PDF file:

- | Copy of each Participant's valid, University-issued student ID;
- | Proof of each Participant's current enrollment from his/her respective University's Office of the Registrar (e.g. official class schedule showing the name of the student and dates);
- | Signed Participant Certification (see Appendix)
- | Signed Advising Professor Certification (see Appendix).

All documents must be submitted prior to the end of the Award Period.

c. Advising Professor

Each Entry is required to be advised by a professor.

The Advising Professor must be a professor from a department in the



University's Schools of Engineering (all areas), Architecture, Building and Construction Management, or Chemistry.

The role of the Advising Professor must be purely advisory; he/she is not allowed to be an active or direct participant or contributor in the development or production of an Entry.

An Advising Professor may advise more than one project at his/her University.

d. Entry Format

Entries shall be created in Microsoft Word format using 12-point Times New Roman font throughout the entirety, unless stated otherwise, on a single-sided, standard white 8.5" x 11" format, with 1" margins.

The first line of each paragraph shall be indented 0.5" inch from the left margin; text shall be double-spaced and aligned to the left.

Entries shall contain no more than 23 lines per page, with a minimum of 15 and maximum of 21 sequentially numbered pages; any information submitted beyond this page restriction will not be evaluated.

The Title Page shall be limited to 1 single-sided 8.5" x 11" page; the title page will count towards the numerical page limitations.

The Title Page shall include the Odebrecht Award logo, the Title of Entry and an Executive Summary.

The Title of Entry shall be 14-point Times New Roman, bold and centered. The Executive Summary shall not exceed 1,500 characters (including spaces), single-spaced.

The Body shall contain the development of the Entry, tables, graphs, illustrations, citations, a conclusion and references. All pages shall be sequentially numbered in the lower right corner. Section Titles shall be Bold and not indented. Tables, graphs and illustrations and respective titles shall not be indented, but their font may be reduced to a 9pt size.

Use the Modern Language Association (MLA) writing style for citations. The Works Cited page shall not count towards the page limitation. See *Anonymity* below regarding in-text citations.

A sample Entry can be downloaded at www.odebrechtaward.com.



e. Anonymity

In order to maintain the integrity of the evaluation and reviewing process, Entries shall not contain any reference to or information about the Participant(s), University, Advising Professor, and/or any information that would allow the Judges to identify any of these stakeholders.

If in-text citations reveal any of the aforementioned details, number your works cited and include only the corresponding number in the body of the Entry; Judges will not see the Works Cited page.

Each Entry receives an automatic identification code once entered into the system; this number is the only reference provided to the Internal Review Committee and External Judges when evaluating a particular Entry.

Do not include visuals that can identify the university or any person, whether they are related to the project or not; use only images that portray or illustrate the idea presented and are authored by the Participants themselves as not to infringe the copyrights of others.

Entries that do not abide by these requirements will be disqualified.

f. Submission

All Entries must be uploaded in electronic PDF format via the Odebrecht Award website: www.odebrechtaward.com.

Three (3) independent steps must be completed in order to successfully conclude the Entry process:

1. Registration of the Participant(s);
2. Upload of required supporting documentation;
3. Upload of the project Entry.

All of these steps must be fully completed by the end of the Award Period.

g. Technical Support

The Odebrecht Award Team will contact all participants as they register on the website. Registering early will ensure you have a direct contact who can assist with technical issues.

Complete the Registration, submit the required documentation ahead of time, and do not wait until the last moment to submit the Entry – if there are technical issues, the Award Team will not be able to assist nor accept the Entry past the deadline.





Prizes.

a. Prizes

The Award recognizes the top three (3) Entries by rewarding the efforts of the Participants, Advising Professors, and the Universities.

A total of \$70,000 will be awarded as follows:

First place \$45,000

\$25,000 to the Participant or Participant Group;
\$15,000 to the Advising Professor;
\$5,000 to the University.

Second place \$15,000

\$7,000 to the Participant or Participant Group;
\$5,000 to the Advising Professor;
\$3,000 to the University.

Third place \$10,000

\$5,000 to the Participant or Participant Group;
\$3,000 to the Advising Professor;
\$2,000 to the University.

A Prize awarded to a Participant Group will be equally divided among the students in that group.

Prizes awarded to the University shall be made in the form of a contribution to the University's Foundation, earmarked for the Advising Professor's department/school.

All amounts awarded are gross cash values and are subject to taxation in accordance with applicable state and federal laws.

Other outstanding Entries may be given honorable mention recognitions at Odebrecht's discretion.

Odebrecht reserves the right not to award any Prizes, if, in its sole and absolute discretion, it does not receive a sufficient number of eligible, and/or qualified Entries. Please refer to the Evaluation Criteria.



In addition to the cash prizes outlined above, Award-winning Participants will be afforded the following opportunities:

b. Award Ceremony

Prize-winning Participants, Advising Professors, and University Representatives will be provided with a round-trip coach ticket to the location of the Award ceremony; two (2) nights of hotel stay, and transportation to and from the ceremony location.

In the event an award-winning Participant, Advising Professor, and/or University Representative resides in the city where the Award ceremony is held, travel and hotel incentives will not be provided.

c. Project Development

It is the intention of the Odebrecht Group to use the Award and the Entries submitted as a platform to implement sustainable business practices in its operations. Thus, with the consent of the Participants, Award-winning Entries may be implemented either partially and/or entirely at any of its projects worldwide.



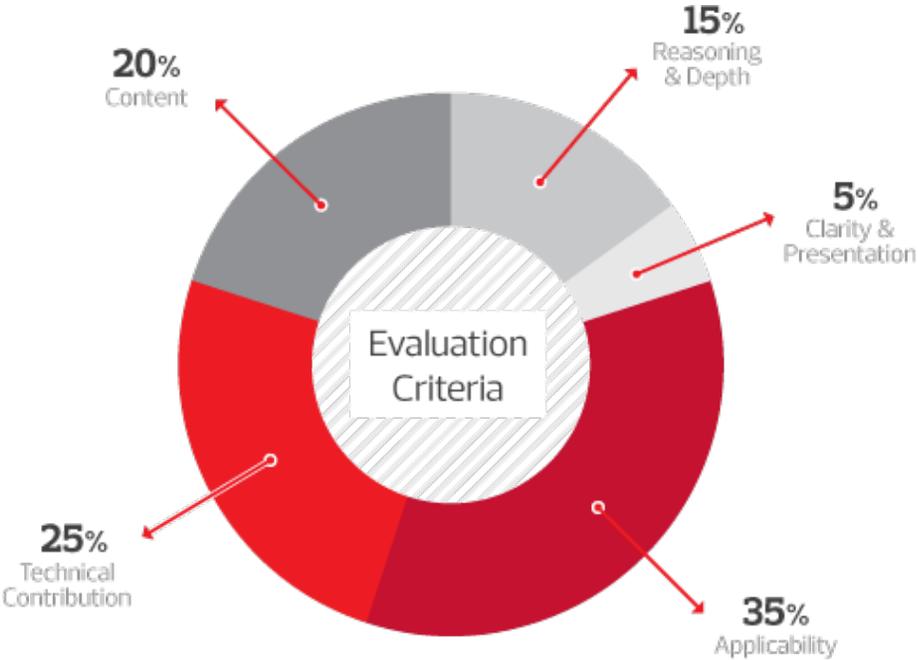


Evaluation Criteria.

The Odebrecht Award for Sustainable Development seeks innovative projects and ideas that encompass an entrepreneurial spirit.

We are looking for work that is technically exceptional and demonstrate a holistic application of sustainability principles. Leading-edge practices and innovations that push boundaries and drive real change in the way our business impacts communities.

All Entries must comply with all rules and regulations stated herein, and will be evaluated as follows:





Selection Process.

The selection process will be conducted in three (3) phases:

1. Screening

Verification of all requirements, accompanying documentation, and Entry format as stated in the Guidelines.

2. Shortlist

An Internal Review Committee will then evaluate and rank all Entries based on the evaluation criteria. The Top 15 Entries ("Finalists") will proceed to the next phase.

3. Final Selection

An External Judging Panel will evaluate and rank the 15 Finalists; the Top 3 entries ("Winners") will be awarded 1st, 2nd, and 3rd prizes.

The final ranking will not be revealed until the ceremony.





Judging.

a. Judging Process

Once Entries are screened for compliance, they will be individually reviewed and evaluated by an Internal Review Committee will shortlist the Top 15 Entries ("Finalists"). Each Committee member will independently assign scores in accordance with the Evaluation Criteria, as outlined in the Odebrecht Award guidelines.

The Finalists' scores shall be zeroed. The Finalists will then be reviewed by an External Judging Panel, made up of industry experts ("Judges").

Each Judge will individually evaluate and score the Finalists, in accordance with the Evaluation Criteria, as outlined in the Award guidelines. Averaged scores will generate the final ranking and determine the winners.

In the event of a tie, the scores given by the Internal Review Committee members will be utilized to break the tie.

b. Internal Review Committee

The Internal Review Committee will be made up of Odebrecht USA and Braskem America senior team members; the names of Internal Review Committee members will not be disclosed.

c. External Judging Panel

Odebrecht USA and Braskem America will invite industry experts to join the External Judging Panel. Judges include industry leaders and experts in sustainability, engineering, chemicals, petrochemicals, and other sectors relevant to the competition.

The Judge Panel will be announced on the Odebrecht Award website and social media channels.

All Judges' decisions are final; no discussions or communication with them is permitted at any time before or during the evaluation process. Participants/Participant Groups who attempt to contact Judges during the evaluation and selection process will be disqualified.





Award Ceremony.

In order to recognize the efforts of those participating in the Odebrecht Award for Sustainable Development, Odebrecht USA and Braskem America host the annual Award Ceremony in the Fall. The Winners are notified of the date and location of the Ceremony after the Selection Process is concluded and the final results are determined.

The event brings together industry leaders and opinion-makers in a forum to promote sustainability, as well as to recognize academic excellence in solving real-world challenges.

All prize-winning Participants, Advising Professors, and University Representatives are invited to the Award ceremony; the Odebrecht Award Team will arrange transportation and accommodation as outlined in the Prizes section.

Visit www.odebrechtaward.com to view previous Award Ceremonies.





Terms and Conditions.

a. Participant and Advising Professor Certifications

All Entries are subject to the terms of the Participant Certification and Advising Professor Certification. Both documents can be downloaded at www.odebrechtaward.com.

b. Disqualification

Individual Participants and Participant Groups may be disqualified due to, but not limited to, the following:

- | they do not have the proper number and/or mix of students; or
- | they do not have an Advising Professor from the University's School of Engineering (all areas), Architecture, Building and Construction Management, or Chemistry; or
- | their submission is late; or
- | they have not provided all the necessary documentation; or
- | the Entry is submitted without proper formatting as required herein; or
- | their submission includes content or imagery that can identify the university, authors, and/or any other person(s), whether related to the project or not; or
- | they made or have attempted to make contact with Judges before or during the evaluation process; or the Entry has been partially or fully submitted in previous years.

c. Official Rules

Should there be any modification to the rules, participants will be notified through publication on www.odebrechtaward.com.

d. Contact

Please direct questions to info@odebrechtaward.com.



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