



Global Innovation Award

PRESENTED BY XPRIZE
SINCE 2011



The *FIRST*® LEGO® League Global Innovation Award, presented by XPRIZE®, is a competition designed to showcase the real-world, innovative solutions that *FIRST* LEGO League teams create as a result of their Project.

FIRST LEGO League trains kids to think like innovators. The Award encourages and assists teams to further develop solutions to real-world problems that demonstrate originality and have the potential to add significant value to the world.

For many teams, their innovative solutions created through the *FIRST* LEGO League Project have led to some amazing opportunities, like receiving local and national media attention, meeting government leaders, and seeing their invention brought to market. For some, their inventions have changed lives.

<i>Our team was named as a Candidate at our Event! Now what?</i>	You will prepare and submit to NM FLL (chair@nmfill.org) a written synopsis of your Project Innovative Solution within 3 weeks of the Event .
<i>Our team was named as an Alternate at our Event! Now what?</i>	You will be notified by NM FLL if the original Candidate declines and you have the opportunity to submit.
<i>If we are selected as the NM FLL GIA Nominee, what do we do next?</i>	You will submit your Project Innovative Solution synopsis and supplemental materials to FIRST in late March.
<i>How are the Global Innovation Award winners selected?</i>	<ul style="list-style-type: none"> • <i>FIRST</i> asks experts in engineering, manufacturing, and this year's Challenge theme to judge submissions. The judges review every submission. This judging process is managed both by <i>FIRST</i> staff and an experienced <i>FIRST</i> LEGO League Judge Advisor. • The Semi-Finalists (top 20 teams selected by the judges) will be notified in late-April. These teams will send at least 2 team member representatives and 1 adult coach per 5 team members to meet with the judges at the event in June.
<i>Prizes</i>	<ul style="list-style-type: none"> • The twenty (20) Semi-Finalist teams will participate in a 2-day celebratory event which will include advice and access to resources relevant to pursuing their Project Innovative Solution and building life-long innovative thinking skills, such as marketing, intellectual property, presentation literacy, and more. • The winner will receive a cash prize of USD \$20,000. The two (2) runners-up will each receive a cash prize of USD \$5,000. The teams must agree to use the prize money to further develop the team's invention and/or to support team activities related to <i>FIRST</i> programs. • Thanks to our Partner in Innovation, LEGO Education, each team member of the three (3) Finalist teams will receive a new LEGO® MINDSTORMS® Education EV3 robot set.



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The NM FLL Regional Variation

NM FLL Objectives for the variation	<ul style="list-style-type: none"> to include ideas from all teams in the region to improve the quality of written submittals for GIA
Effect on the Events	<ul style="list-style-type: none"> Teams participate in the usual Project Judging sessions. At each of our 5 Qualifiers & the Championship, the Project Judges select a single team as the event candidate for being a NM Region Nominee, along with an alternate. Criteria for selection are the Innovative Solution rows on the Project Rubric.
Expectations for the selected candidates	<ul style="list-style-type: none"> Each of these candidate teams is expected to write a proposal, using the GIA submittal guidelines. Teams are encouraged to get their write-ups reviewed by professionals before being submitted.
The selection process	<ul style="list-style-type: none"> A NM GIA Committee, comprised of the Regional Judge Advisor and the Partners, will review the proposals, using the Global Innovation Award criteria, including the GIA Rubric. The NM GIA Committee will select the NM Region Nominee and 2 alternates. NM FLL will notify both FLL GIA Headquarters and the Nominee / alternates.

The Global Innovation Award Submittal

The Global Innovation Award criteria mirror the Innovative Solution portion of the Project Rubric.

Your team will need to write approximately 500 - 2,000 word answers on the following:

Problem Identification – Overview (<i>clear definition of the problem to be solved</i>)	<ul style="list-style-type: none"> What problem is the team trying to solve? Why did the team choose this problem?
Problem Identification – Detailed	<ul style="list-style-type: none"> How does the solution work? (Include relevant details.) How does it solve the problem the team chose?
Innovation	<ul style="list-style-type: none"> How does the solution solve your identified problem in a new way and/or improve on existing solutions in a meaningful way? (Responses might include descriptions of existing solutions, unique value offered by the team solution, and who benefits from it.)
Solution Development	<ul style="list-style-type: none"> How did the team develop the solution? (Explain what process was used to narrow, evaluate, and verify the solution.) What steps did you follow?
Implementation	<ul style="list-style-type: none"> How would the solution be implemented? What factors did you consider (cost, materials, manufacturing, market research etc.) to determine feasibility? (Responses might include applicable analysis and/or professional corroborations.)
Supporting documents	<ul style="list-style-type: none"> Might include supporting diagrams / drawings / photos / prototype details. Allowed file types: .txt, .pdf, or .jpg Help tell your "invention story". Keep documents concise as judges have limited time to evaluate. Files must be less than 10 MB.



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Global Innovation Award Rubric

Team:

Submission Name:

For each criterion, select the box that best describes the team's accomplishments.

Beginning	Developing	Accomplished	Exemplary
Problem Identification Clear definition of the problem being studied			
unclear; few details	partially clear; details missing	mostly clear; detailed	clear; very detailed
Innovation Degree to which the team's solution makes life better by improving existing options, developing a new application of existing ideas, or solving the problem in a completely new way			
existing solution/application	solution/application contains some original element(s); potential added value	original solution/application; potential added value	original solution/application; demonstrated added value
Solution Development Use of a systematic process to develop the solution, where alternative solutions are considered and narrowed, the chosen solution is evaluated and improved, feasibility of process solutions assessed			
process AND explanation need improvement	process OR explanation need improvement	systematic and well-explained, including evaluation or verification	process uses evaluation or verification across multiple steps
Implementation Consideration of factors for implementation (such as cost, ease of manufacturing, etc.)			
minimal factors considered; idea not feasible	some factors considered; idea may be feasible	factors well considered; some question about proposed solution	factors well considered and feasibility confirmed by professionals in the field
Motivation to Implement (check if demonstrated)		Team demonstrates motivation to implement (clear idea of a next step(s) to make a reality; OR consultation with a professional for advice beyond production, such as business, marketing, design, etc.; OR demonstrates strong desire to see the end-user's problem improve with this solution)	
<input type="checkbox"/>			

Comments:

Please provide 1-2 comments about this team's submission. Please write one comment describing something you liked about this idea and one thing you think the team can improve. Comments will be provided to the teams, so please make them positive and constructive.