



ENGINEERING & SURVEYING EXCELLENCE AWARDS COMPETITION

CATEGORIES

Engineering and surveying projects may be entered in one of the following categories. It is common for a project to be eligible for more than one category. It is up to the entrant to determine which category the entry best fits.

A project may be entered only once in any category. However, after a project entered in Category A has been constructed, it may be entered in a different category in the eligible year.

A	<p>Studies, Research & Consulting Engineering Services Non-design services, projects not involving the preparation of construction documents consisting of but not limited to the following types of projects:</p> <ul style="list-style-type: none"> • New products, materials and technologies • Expert testimony • Basic research and studies • Computer/software technology • Technical papers • Public outreach/involvement • Water conservation • Security plans • Project feasibility studies/economic/risk • Value engineering 	B	<p>Building/Technology Systems</p> <ul style="list-style-type: none"> • Mechanical/electrical/plumbing • Computer/technology • Communications • Acoustics • Software systems • Sustainability or carbon neutrality • Efficiency certification standards, e.g., LEED® • Energy efficiency – new and retrofit • Secure facilities (military, research, correctional)
C	<p>Structural Systems</p> <ul style="list-style-type: none"> • Foundations • Tunnels • Buildings • Seismic design • Towers • Bridges • Stadiums 	D	<p>Survey & Mapping Technology</p> <ul style="list-style-type: none"> • Geometrics, ALTA, land title and rights surveys • Control, GPS, monitoring or construction surveying • Survey mapping, GIS/LIS, photogrammetry
E	<p>Environmental</p> <ul style="list-style-type: none"> • Hazardous waste • Solid waste • Restoration/reclamation/remediation • Air quality • Noise • Recycling • Waste pond management • Carbon sequestration and trading • Mitigation 	F	<p>Waste & Storm Water</p> <ul style="list-style-type: none"> • Wastewater collection/treatment and disposal • Residuals management and reuse • Graywater systems • CSOs • Mine tailings • Agricultural • Storm water management • Erosion control

<p>G</p> <p>Water Resources</p> <ul style="list-style-type: none"> • Hydraulics, hydrology • Surface and groundwater supply development • Treatment • Transmission, distribution and storage • Watershed management • Water use reduction • Flood risk management • Climate adaptation • Coastal and eco-system restoration • Locks/dams/water control structures • Irrigation 	<p>H</p> <p>Transportation</p> <ul style="list-style-type: none"> • Highways • Rail • Airports • Marine/ports • Public transit • Intermodal facilities
<p>I</p> <p>Special Projects</p> <ul style="list-style-type: none"> • Safety and security • Corrosion protection/cathodic protection • Program and construction management • Land development • Trenchless technologies/directional boring • Recreational facilities • Subsurface engineering 	<p>J</p> <p>Small Projects</p> <p>Total project construction budget does not exceed \$2.5 million. At the entrant's discretion, except for entries in Category A.</p> <p>Projects under \$2.5 million are not limited to this category.</p>
<p>K</p> <p>Energy</p> <ul style="list-style-type: none"> • Transmission and distribution • Power generation • Renewable energy • Cogeneration • Energy storage technologies • Energy usage reduction programs • Demand side management 	<p>L</p> <p>Industrial and Manufacturing Processes and Facilities</p> <ul style="list-style-type: none"> • Petrochemical • Biotech • Manufacturing • Heavy industry • Industrial waste • Materials handling • Mining, metallurgy, mineralogy