November 3 Networking Webinar Attendee Materials

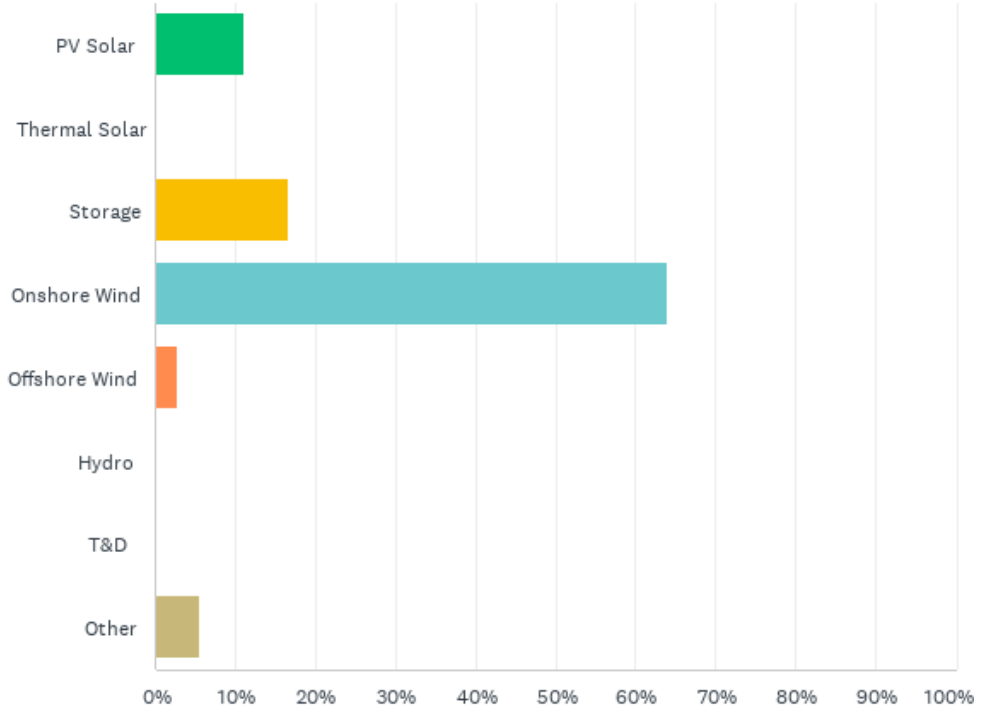
The following slides contain the safety campaign survey results. Please review before the webinar. We want to hear from you on the webinar on your EHS needs and how ACP can help.

Safety Campaign Survey

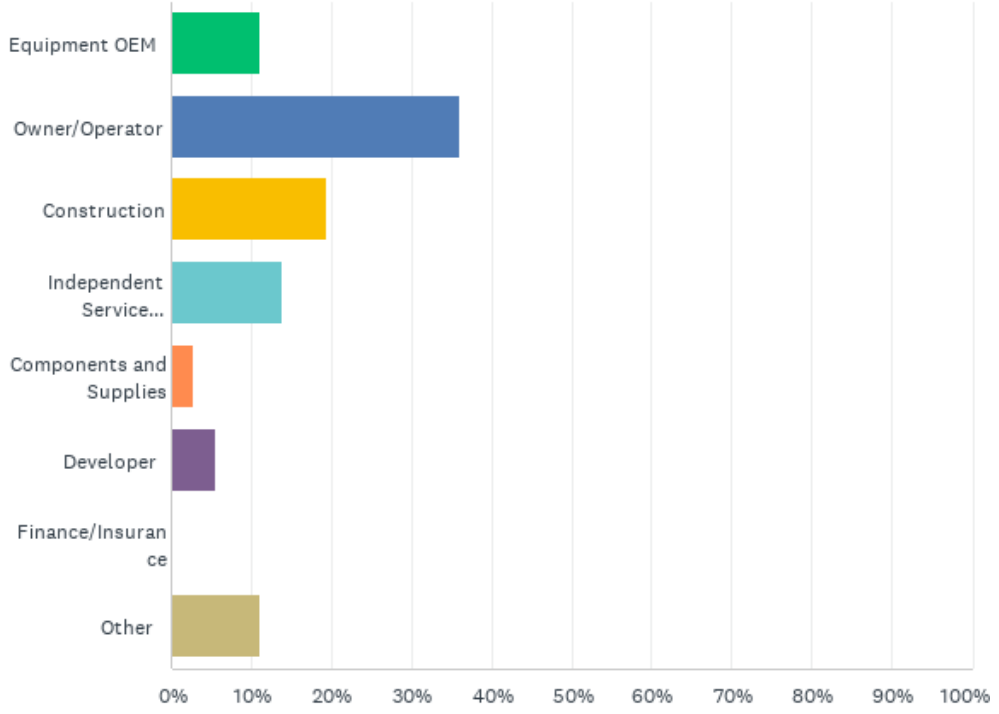
36

Total Responses

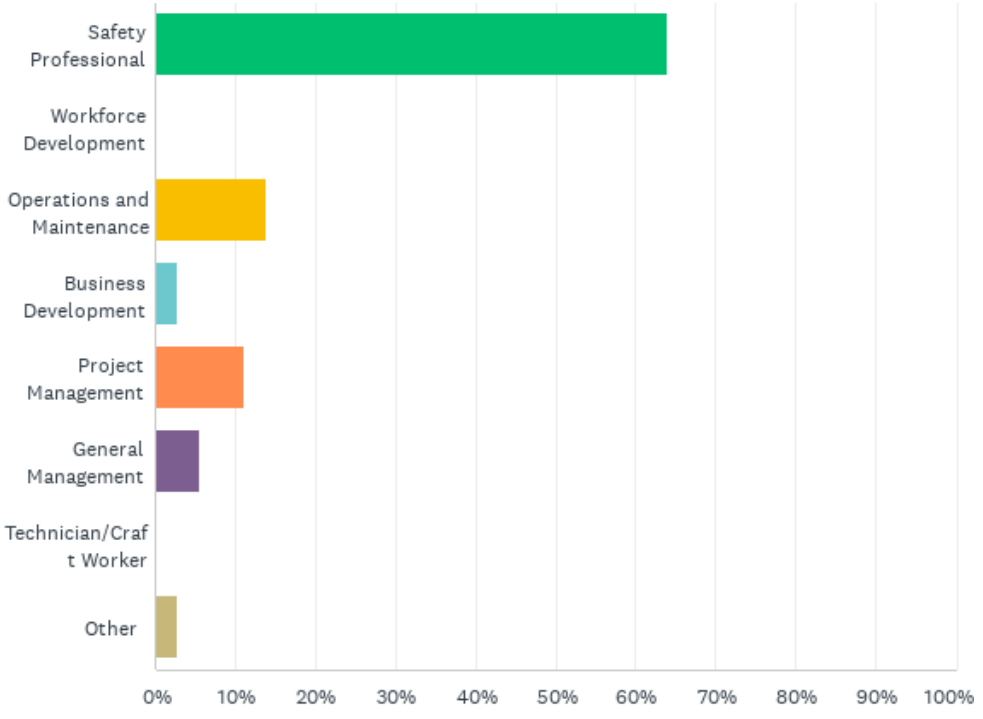
Q1: What forms of energy production are you or your company involved in?



Q2: What type of company do you represent?



Q3: What is your role?



Q4: What are your biggest EHS challenges?

Our biggest challenge is to ensure proper environment and health care for our employees that are traveling around the world.
Keeping Up
The lack of contractor knowledge and experience. Many contractor employees are not adequately trained.
Noncompliance (no arc flash studies) from former project owners that now fall to us.
Buy-in from the field.
Safety compliance to contractual requirements.
Understanding the changes in the fast moving chemistry improvements/enhancements that are occurring in the battery cells used for Energy Storage, and how those changes affect the product and it's safety. Also, always looking for more support and standardization of how these product changes should be managed when working with all various stakeholders for a project (fire department, local town/city boards/committees, AHJ's, etc)
Thermal Runaway mitigation systems.
New requirements, consistency among customers and sites.
Procedure compliance, poor residual habits, "hurries," poor situational awareness - both initial and incremental.
Need more materials to get AHJ's comfortable with energy storage. Specific question we get with no answer for Li-ion BESS: how to manage runoff contamination if there is a fire that needs to be extinguished with large amounts of water.
Buy-in and procedural writing on new technologies in battery storage/solar.
Everyone keeping safety, quality, and production in that order of importance. Strains/sprains.
Tooling
Influencing people who aren't your direct reports.
Inexperience
Complacency and the comfort level of risk that is developed over time by technicians.

Q4: What are your biggest EHS challenges? (continued)

LOTO
Keeping up with the change in technology and how it impacts control of energy, work instructions, and the ability to identify hazards.
New industry
Confined space classification for the hub.
Always trying to stay up to date.
Crane Work: crane "walking" and connecting at height. Working at height is difficult to supervise/oversee conditions (interior tower work).
Safety is a priority on paper only; personnel placed in leadership positions based on ability to "get 'er done" rather than full spectrum of leadership qualities.
Keeping safety at top of mind with front line managers supervisors
Communicating to the contractors/technicians that incidents are going to happen and that it is ok to report them and we like to hear the reports coming in. Most often we find out second hand or when the incident is extremely bad.
On site field services.
Getting a grip on ergonomics in a wind turbine.
To make people comply with the established policies.
Finding contacts in the industry.
Interpretation of safety requirements and rules.
Adjusting to new products on the market. They can reduce current hazards but might create new ones.

Q5: How can ACP support you/your organization in improving EHS and Quality?

ACP can help the industry to become safer by implementing more automated and robotic systems for wind turbine maintenance.
Establishing minimum standards for people working in the industry.
Continue to keep open communication between companies with findings and best practices.
I'm already a contributor and active in many committees/groups so, just more participation from others that are not active or are MIA.
In past experiences with AWEA, the focus, including in safety was primarily on operation of wind sites. There is a little talk and crossover to construction but not much and that is my primary focus, owner safety oversight during construction of new wind and solar sites as well as repowering some of our wind sites.
Provide coordinated support between vendors and suppliers, and the development community. Including the work and scope of independent, 3rd party consultants/industry experts to help assist in understanding the risks and mitigations, strategies, etc.
Education of the requirements from NFPA and IFC for Lithium Ion ESS.
Communicating status and obtaining feedback from customers.
Microcredentials, training, and competency common platform.
Provide up to date supporting documentation and presentations that can be shared with AHJ's.

Q5: How can ACP support you/your organization in improving EHS and Quality?

Provide more reference material on items specific to equipment utilized in different industries.
Periodically polling membership to keep campaigns and initiatives relevant. At the various conventions and seminars throughout the year, consider hosting/sponsoring forums for the folks who actually turn the wrenches.
Broadcast information on industry best practices.
Keep putting good stuff out there.
Keep us up to date and let us know how we can help.
Leveraging the knowledge from other members to help clarify, identify or make available the information within the industry that results in less risk to workers.
Helping learn from other organizations.
OSHA regulation unique to wind and solar energy.
Bringing entities together with similar EHS issues to work together to elevate baseline safety techniques, programs, and hazard defenses across the industry.
I'm not sure. Perhaps providing incentives for people who do report out on incidents that happen.
Standardizing safety training like GWO.
Continue research/campaigns on key industry safety problems and injuries.
A good idea is to make videos about the key safety rules to comply/follow in the sites.
Presentation of job related/application related discussion or presentations.
Reviewing all of the serious injuries in renewables and helping us all address the most common mistakes.

Q6: What current or recommended initiatives would ensure you/your organization's participation in the ACP?

Improving the electrical knowledge of employees and technicians.
Owners working group, Covid-19 working group.
Increased training/awareness in working with DC electrical systems. Quick, timely engagement with suppliers wrt technology and product changes. Engagement with national safety organizations to create a simplified means of integration (UL, NFPA, etc.), especially as new standards come out.
Best practices and Safety requirements for LIB ESS.
Not necessary - very active in supporting the organization.
Safety presentations for energy storage. Real data from operating projects on safety.
First responders guide to fighting fires at solar and battery storage facilities.
Preventing strains and sprains...proactive approach, health and wellness - emergency/contingency management...rescue and evacuation, medical emergencies, active shooter...equipment and strategies for those situations.
EHS and Operations.
Conferences and in-person net-working opportunities.
Tools to learn and be more involved.
Safety Awareness Campaigns and collecting industry data for trending areas of need.
Best industry safety practices.
Helping bring new safety products to the market.

SAFER TOGETHER

AMERICAN CLEAN POWER

image: Freepik.com

SAFER TOGETHER

AMERICAN CLEAN POWER

SCAN ME

Learn more about ACP Membership

SAFER TOGETHER

AMERICAN CLEAN POWER

Learn more about the safety campaign!

SCAN ME

Thank you.

Questions?
Contact safety@cleanpower.org