



CAPACITY BY DESIGN is Quanta's innovative approach to project collaboration where common challenges with safety, health, and environmental (SH&E) are discussed and planned for at the beginning stages of a project. Having these discussions up front empowers all parties to evaluate these common problems areas, have meaningful discussions with those who can make a difference, and develop solutions that enable successful, safe execution of the work.

OVERVIEW:

CAPACITY BY DESIGN is a proactive methodology for SH&E that can transform the energy construction industry. When using Capacity by Design, we collaborate with our customers during the early stages of project planning and design. This approach allows us to evaluate project specific hazards and risks, engineer them out where possible, and integrate STKY controls into critical work tasks, building capacity for failure in everything we do.

3 PRIMARY GOALS OF CAPACITY BY DESIGN:



1. Influence Design:

- a. Identify engineering, design, and procurement solutions that eliminate STKY hazards, enhance the efficiency of work execution, and simplify the use of STKY controls for workers.

2. Build Capacity:

- a. Identify STKY Controls that will help prevent STKY Events and mitigate the consequence of failure.

3. Monitor Performance:

- a. Monitor, learn, and adjust so we can continuously improve the effectiveness of STKY controls. Evaluate the effectiveness of controls and adjust if needed throughout the execution of the job.

PATHWAY TO EXECUTION:

CAPACITY BY DESIGN is a team effort. Collaboration between the customer and contractors is vital to the success of the project. This approach is intended to end the typical safety done to the contractor by the customer and enable a new world where safety is done with the contractor. **CAPACITY BY DESIGN** provides educational and quality management services, as well as consulting and training support to improve jobsite and workplace safety. Our focus includes risk identification and prevention to benefit customers involved in the construction, installation, maintenance, and repair of electric power infrastructure, oil and gas facilities, pipelines, and telecommunication systems.

In summary, **CAPACITY BY DESIGN** fosters early collaboration between customers and contractors, embedding safety into every phase of the project. This approach ensures proactive identification and mitigation of risks, building a safer and more resilient work environment. By integrating safety up front, we set a new standard in the energy construction industry, making safety an integral part of our culture and operations.

