

EMPOWERED ENGINEER

*Get more projects
and better utilize
valuable resources
with **Empowered
Engineer***



“The Empowered Engineer solution allows our work to continue seamlessly, with minimal interruptions or iterations so we can stay on schedule, saving valuable engineering and design time while maintaining, or potentially reducing, budgeted hours.” – William Fronheiser, Principal Structural Designer, Linde

Working in silos and not using an integrated solution is something that engineering companies can no longer afford to do. With Empowered Engineer we give the engineer powerful tools to automate designs, check rules and integrate across disciplines and even connect with fabricators. This allows you to make the right decisions early.

Project execution is all about disciplines like structural, piping, electrical and civil to perform their tasks in parallel. In the end, it all must deliver a consistent and high-quality design to support fabrication, construction and operations. Additionally, we have compressed schedules and budget to consider.

Owner Operators are required to execute projects faster as time-to-market is critical in today's economy, forcing more efficient project execution.

By employing this breakthrough engineering approach, you will be leveraging integrated technologies that execute even the largest and most complex projects, leading to faster

completion and reduced work hours. Empowered Engineer facilitates fully integrated design across multiple disciplines, offering a more streamlined and high-quality design that reduces the construction schedule and accurate ordering of materials.

The Empowered Engineer solution will enable your organization to:

Achieve Preferred Contractor Status

Quality on-time delivery calls for satisfied clients and repeat work

- Stay on or under budget
- Manage material costs
- Manage fabrication costs
- Contribute to deliverables that help operations (Digital Twin)



Succeed with Design Consistency

- Interdiscipline integration like civil and electrical for U/G cables
- Rules check-in and across tasks
- Lower risk of late changes in the design and construction cycle
 - Accurate material take-offs
 - Early communication with fabrication (structural)
 - Single source of truth for all disciplines (consistency)

Efficiently Utilize Your Resources

- Employ junior engineers to make executive decisions
- Better use of key domain expertise across projects
- Use less hours
- Lower cost of resources
- Automate design functions like checking and creation of deliverables
- Early clash detection to reduce re-work

Deliver Lasting Value for Your Projects

With Empowered Engineer, EPCs and Owner Operators can move toward their desired outcomes on complex projects. The solution leads to shortened project schedules, reduced labor hours, fewer changes orders, less resources and shorter time-to-market. Companies have seen vast reduction in design time by automatic creation of connections. Through auto cable routing and managing optimal routes you can reduce design costs and automatic material take-offs results in savings of 20% in hours. Making modifications like trench depth is automatically done through parametric designs that will save 30% at each major change.



Engineers Can Quickly Make an Impact

- Automatic creation of deliverables
- Multi-disciplinary solution
- Integration
- Automated design based on engineering standards

Are you ready for your complex problems to be solved?

Break through barriers and enable your engineers to do their job better and make an impact in your organization. Let us help you on your journey to Empowered Engineering. Take the first step today at hexagonppm.com/empowered-engineer.

ABOUT HEXAGON

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us @HexagonAB.