



Distributed energy resource management systems (DERMS)

Distributed energy resources have become a high growth area with specific attention given to generation and electric vehicles. However, investments in Distributed Energy Resources Management Systems – how they manage the DERs for optimal savings – is considerably behind the business need and market expectation.

Utilities have much to gain by investing in DERMS

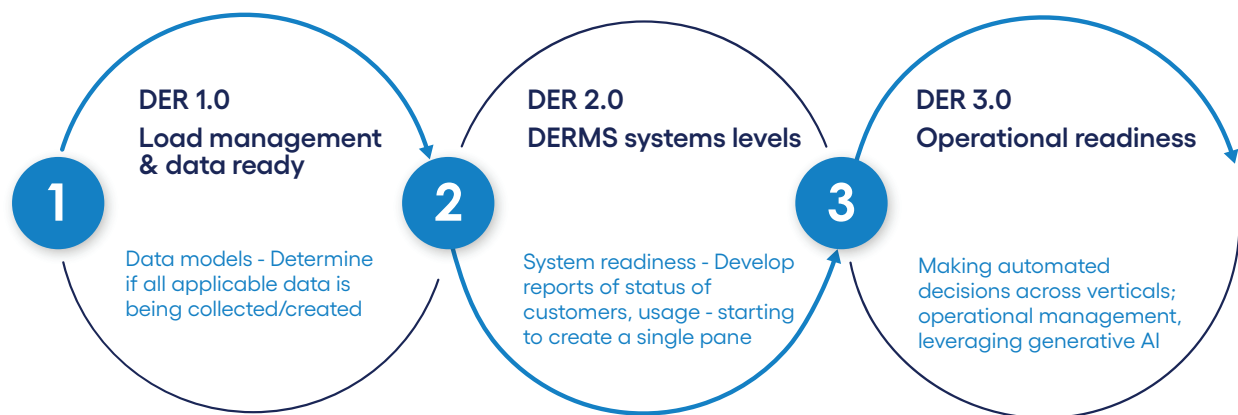
Distributed Energy Resources (DERs) has been part of a utility's game plan for years. And many more DERs will be deployed in the upcoming years. While DERMS continues to evolve, there will be new regulations and requirements. The applications for DERMS initiatives are significant. They can help utilities with demand response programs, green initiatives, generation, electric vehicles, battery storage and microgrids.







How we work

To drive value, our digital grid solution enables:

- **Device strategy:** A comprehensive view of devices, who installed them, can you retrieve information from them, why they were selected and what advantages they provide
- **Management systems:** A single place to manage all your DERs, System Development, Head End Systems, Architecture and Roadmaps, concentrating on optimizing energy usage and storage for a green future
- **Advanced analytics:** Integrating data into other systems and incorporating decision making based on real time information

Stages of implementing DER



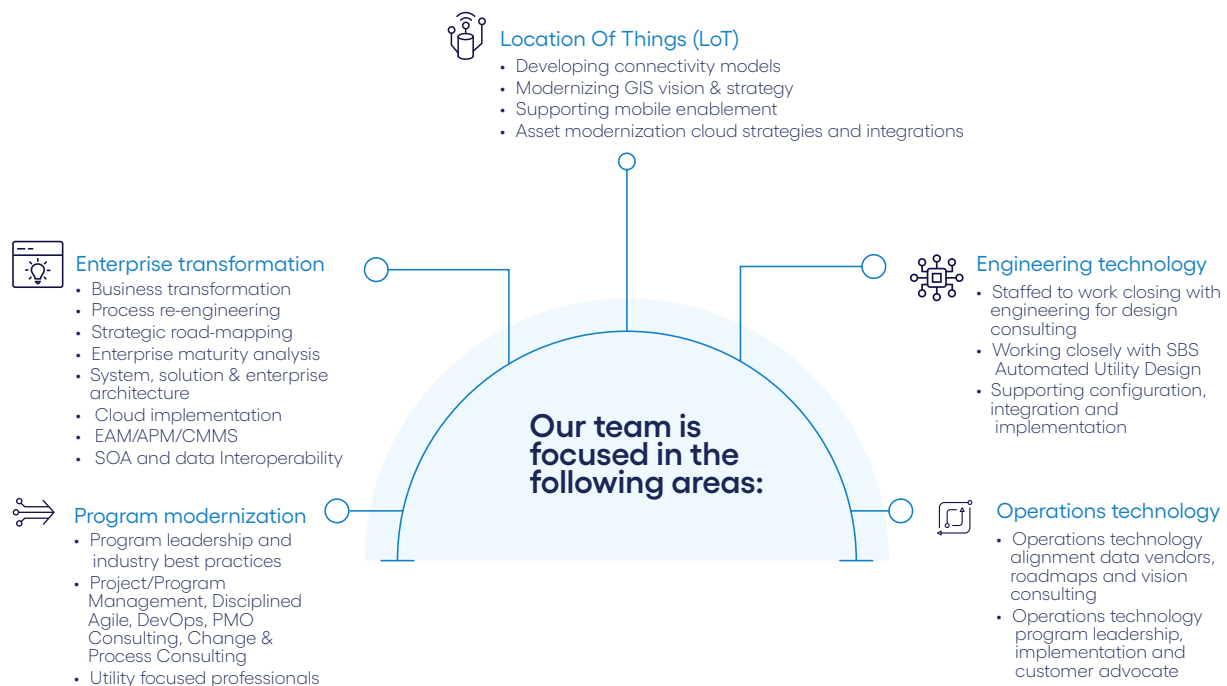
Business	 <p>PMO Provide RFX support, vendor selection, project management and being your trusted advisor</p>	 <p>Energy savings Provide analysis of cost savings for each type of DER compared to traditional costs</p>	 <p>Reliability What aspects should the DERMS support – Peak demand, failure, self sustaining, surplus</p>
Strategy	 <p>DERMS strategy Assess requirement to build DERMS strategy including roadmap, requirements and business cases</p>	 <p>Energy storage The what, when, why of energy storage and how will this change with additional DER devices</p>	 <p>Management system Creating a short and long-term plan for your DERMS including control systems device selection</p>
Planning	 <p>Planning Which products best suit your needs and architect the DERMS generation solution</p>	 <p>Future growth Research expected growth areas for future DERs and EVs based on specifics of our business</p>	 <p>Green initiatives Building your green plan based on your goals; green hours, carbon reductions, etc.</p>



How we do it

Our unique methodology accounts for capital assets as well as other neglected assets such as people, processes, data, quality practices and system performance at the point of use. **We assess, analyze, create/refine your vision, and provide an actionable plan.** Our experience in the Utility Industry has taught us that a simple to understand – easy to communicate – comprehensive plan works.

Cognizant named Leader by Gartner in its Magic Quadrant for Data and Analytics Service Providers report for our “ability to apply valuable insights from D&A to improve the speed and quality of decision-making within customer organizations”.



The Cognizant DERMS Team

The Cognizant DERMS consulting team is comprised of senior leaders focused on driving meaningful industry change. Our goal is to be your trusted partner and advocate as you transform your enterprise. It is our experience that building a trusting relationship requires time and effort. Together we will identify the highest impact strategies, to make your transformation vision a reality.



Cognizant (Nasdaq-100: CTSH) engineers modern businesses. We help our clients modernize technology, reimagine processes and transform experiences so they can stay ahead in our fast-changing world. Together, we're improving everyday life. See how at www.cognizant.com or @cognizant.

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