

# What are the 3D's?



## Digitization

Devices that deliver data are all around us and are becoming more essential to business. Connected devices, known as the “Internet of Things” are collecting and transmitting a diverse set of data to a centralized system, allowing companies to capture and analyze more data than ever before. But making sense of the data, and learning how to act on it, are where innovative businesses thrive.



## Decentralization

Decentralization is sourcing our energy from other than the traditional grid. Decreasing costs of renewable energy and storage is adding choice and complexity to companies’ energy procurement plans. By 2030, decentralized off-grid & microgrid solutions may account for more than 55% of power generation, compared to about 20% today. Decentralization will serve as a long-term solution to achieve sustainability goals and reduce costs.



## Decarbonization

Reducing the use of carbon-emitting fossil fuels and implementing clean, efficient alternatives is a true value-driver for business. Global market pressures from customers, investors, employees and regulators are driving organizations to set and report on aggressive sustainability goals while aligning with growth and transformation. As these societal and regulatory pressures to negate the effects of climate change grow, a higher value is placed on companies that proactively work to reduce their carbon footprint.



Digitization



Decentralization



Decarbonization



“All three of these D’s are linked, and that’s how we are going to make it to the smart energy grid of the future. Decarbonization is the motivation, decentralization is one of the methods to get there, and digitization is how to enable the whole thing to achieve the smart grid.”

- Vikram Kulkarni, VP of Sustainability Solutions at ENGIE Sustainability