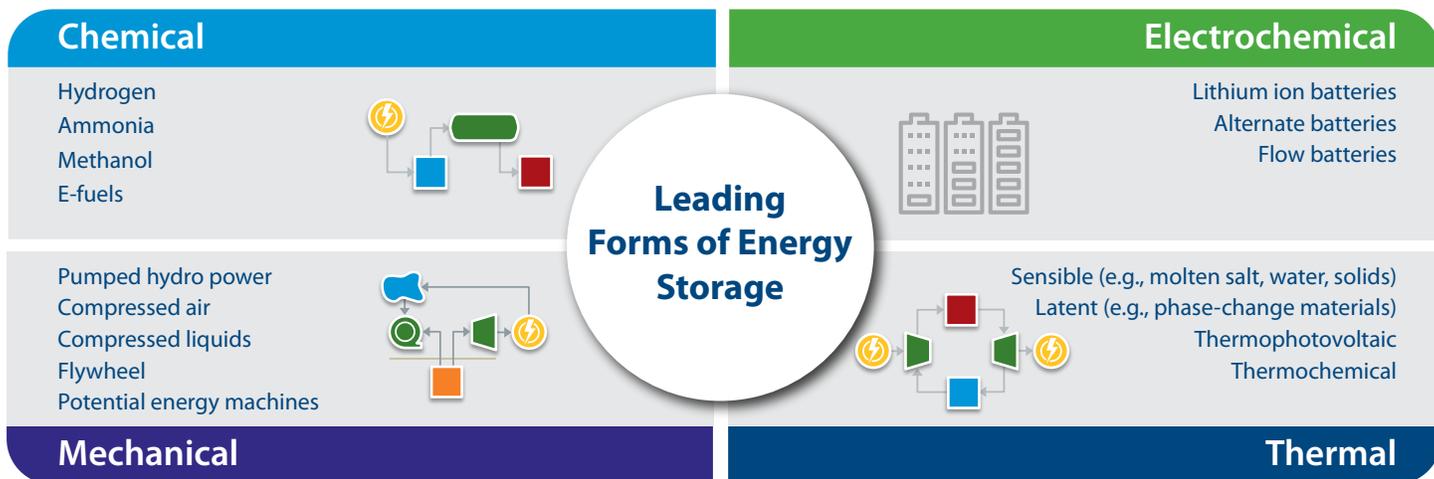


# Energy Storage

As the cost of solar, wind, and other renewable sources of energy becomes more competitive with traditional fossil fuels, a major barrier remains: the ability to cost-effectively store the energy generated from these intermittent renewable sources. While batteries, pumped hydro, and other solutions to store energy have existed for years, new ways to store energy for longer durations and with the ability to respond rapidly to demand are needed to support rising grid capacity and to create a more sustainable energy future.

From the energy-producing facility through the utility and end-user, Fluor provides engineering expertise, technology evaluation, and balance-of-plant requirements to deliver reliable energy storage solutions.



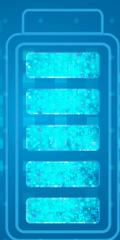
## Integrating Long Duration Energy Storage

Fluor's decades of energy production and storage experience across all industry segments – paired with our engineering ingenuity – makes us a strong partner for projects of the future. We analyze power profiles and techno-economic conditions for our clients, continuously scanning the horizon for solutions best suited for a particular project.

Our long legacy of successful concept-to-in-service project execution helps first-of-a-kind technology providers scale and integrate technology with existing facilities. In addition, our fabrication and modularization capabilities and expertise can help clients quickly build energy storage solutions with repeatable designs.

## Experience Meets Expertise

Well versed in thermodynamics, Fluor has more than 100 process engineering experts ready to tackle today's energy storage challenges. These experts have performed numerous energy storage project studies and provide clients with the technical and professional services they need to make their projects a success.



### Fluor's Energy Storage Expertise

- ▶ Process design packages
- ▶ Emerging technology reviews
- ▶ Electrical stability analysis
- ▶ Metallurgy consulting and selection
- ▶ Fabrication
- ▶ Techno-economic analysis
- ▶ Scale-up
- ▶ Balance of plant and grid integration
- ▶ Simulation modeling
- ▶ Computational fluid dynamics analysis