



Bloom**energy**[®]

> 1,5 GW en operación
comercial desde 2010

Pilas de Combustible Desconocidas por no haber sido necesarias en España (hasta ahora)

- ✓ Rendimientos del 60%
- ✓ Fiabilidad del 99,99% o superior
- ✓ Sin paradas de mantenimiento durante toda la vida de la planta
- ✓ Densidad de ocupación de hasta 270 MW/ha.
- ✓ Facilidad permisos (sin ruidos ni partes móviles, sin consumo de agua ni sistemas presurizados, sin emisiones tóxicas)
- ✓ Con posibilidad de suministro en continua, evitando pérdidas eléctricas
- ✓ Con posibilidad de cogeneración y de captura del CO₂
- ✓ Entrega y puesta en marcha en grandes proyectos del orden de 1 año
- ✓ A precios del kWh similares a los de nuevos ciclos combinados

Proyecto de 100 MW para un DC
con cogeneración (enfriamiento)
y captura de CO₂

Bloom Energy Sites



Apple, USA 10 MW Data Center



Morgan Stanley 750 kW Manhattan Headquarters



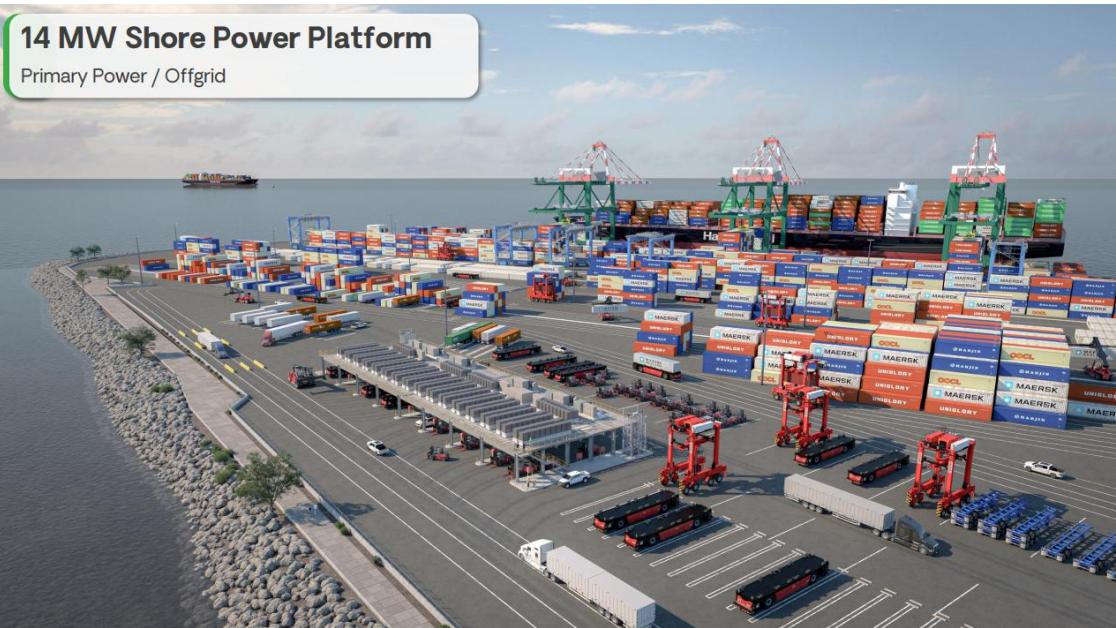
400kW Office Setback

NOKIA

Selected Projects Currently Under Development

14 MW Shore Power Platform

Primary Power / Offgrid



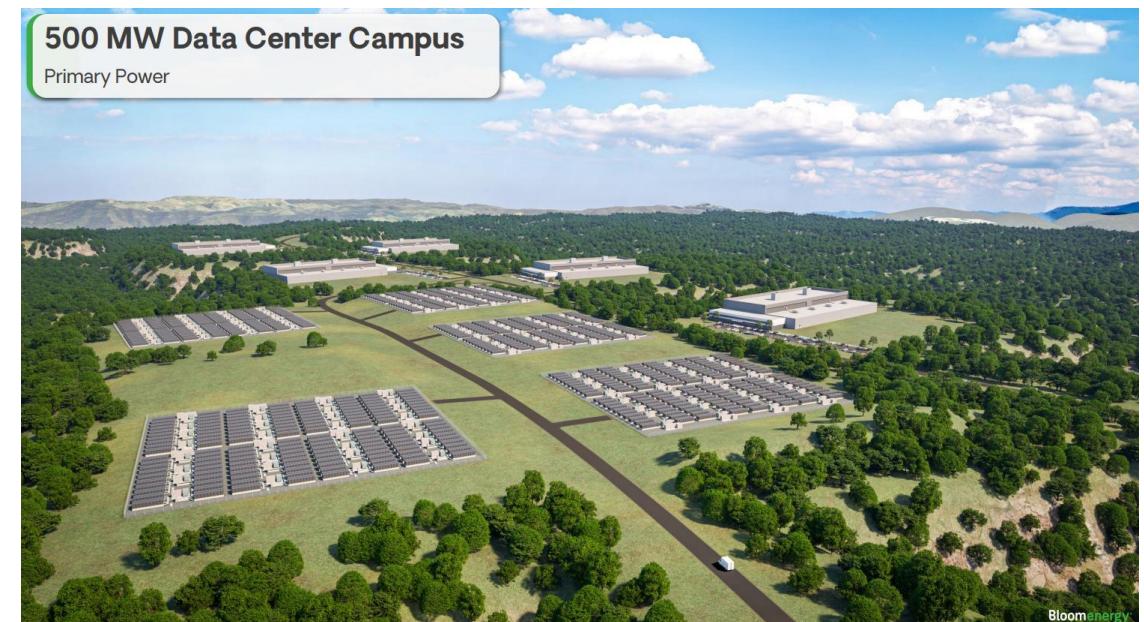
4MW Distribution Center

Primary Power



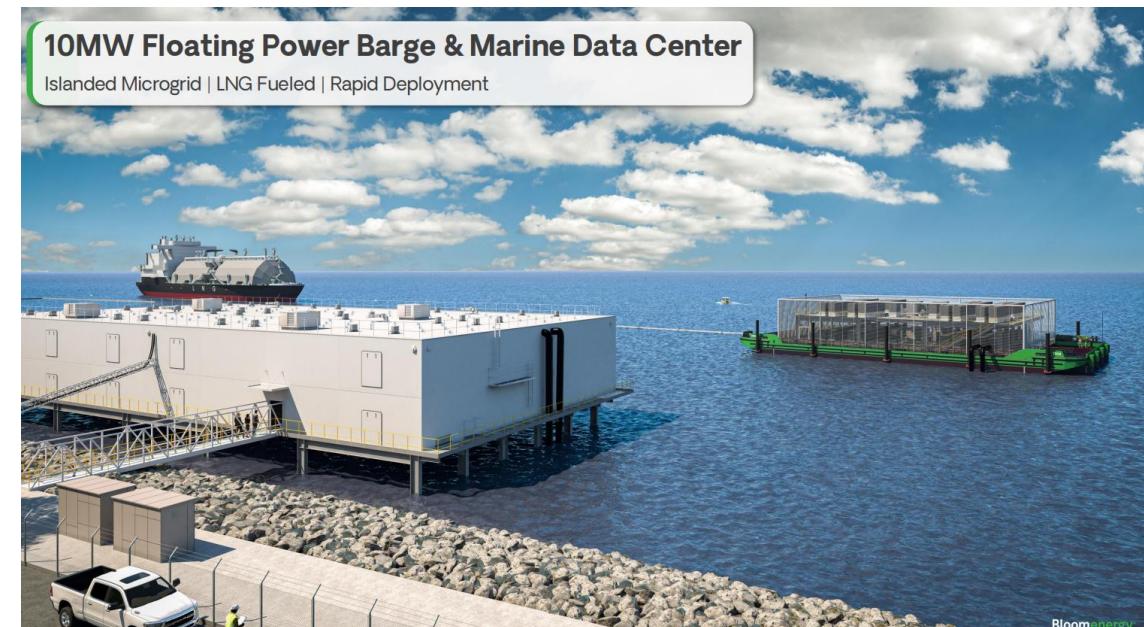
500 MW Data Center Campus

Primary Power



10MW Floating Power Barge & Marine Data Center

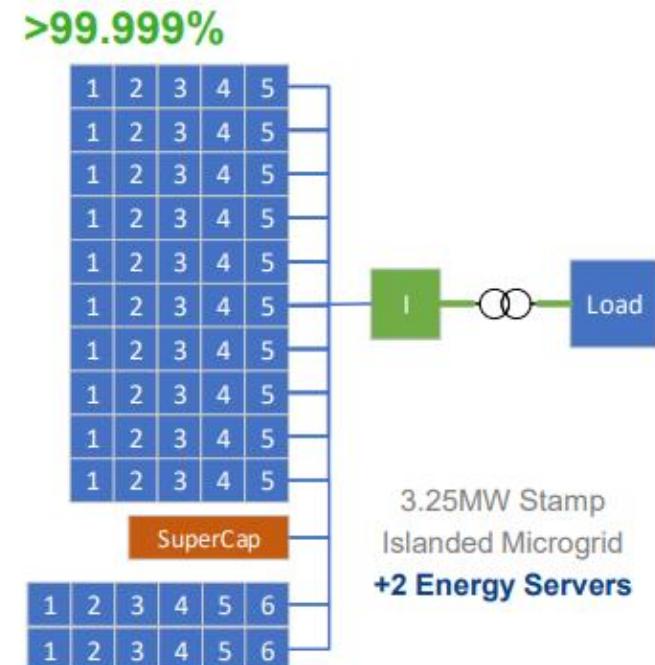
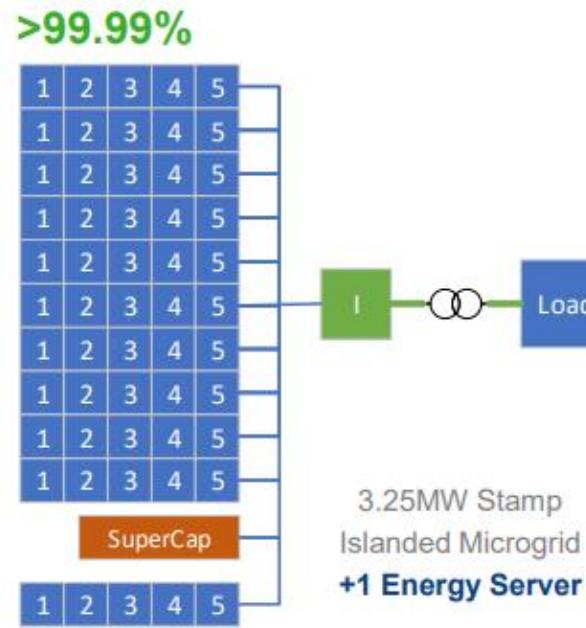
Islanded Microgrid | LNG Fueled | Rapid Deployment



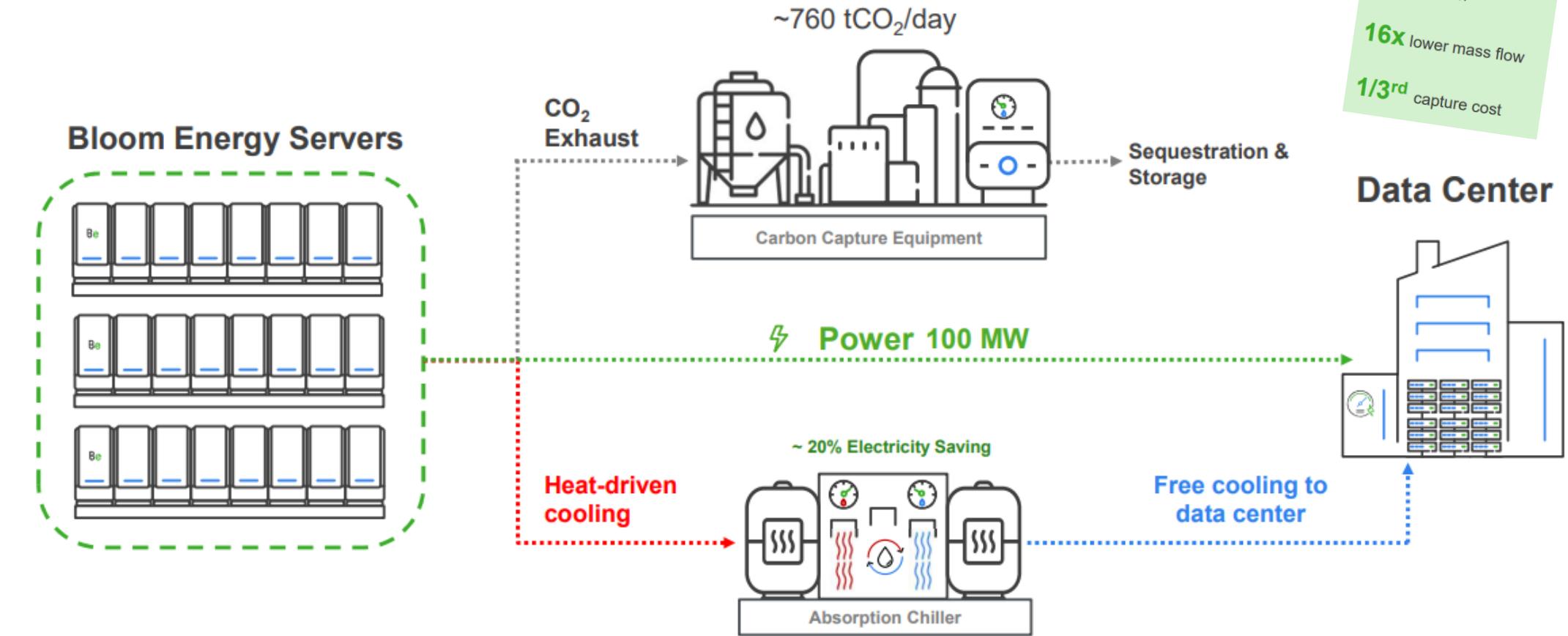
Energy server building blocks – cell to power plant



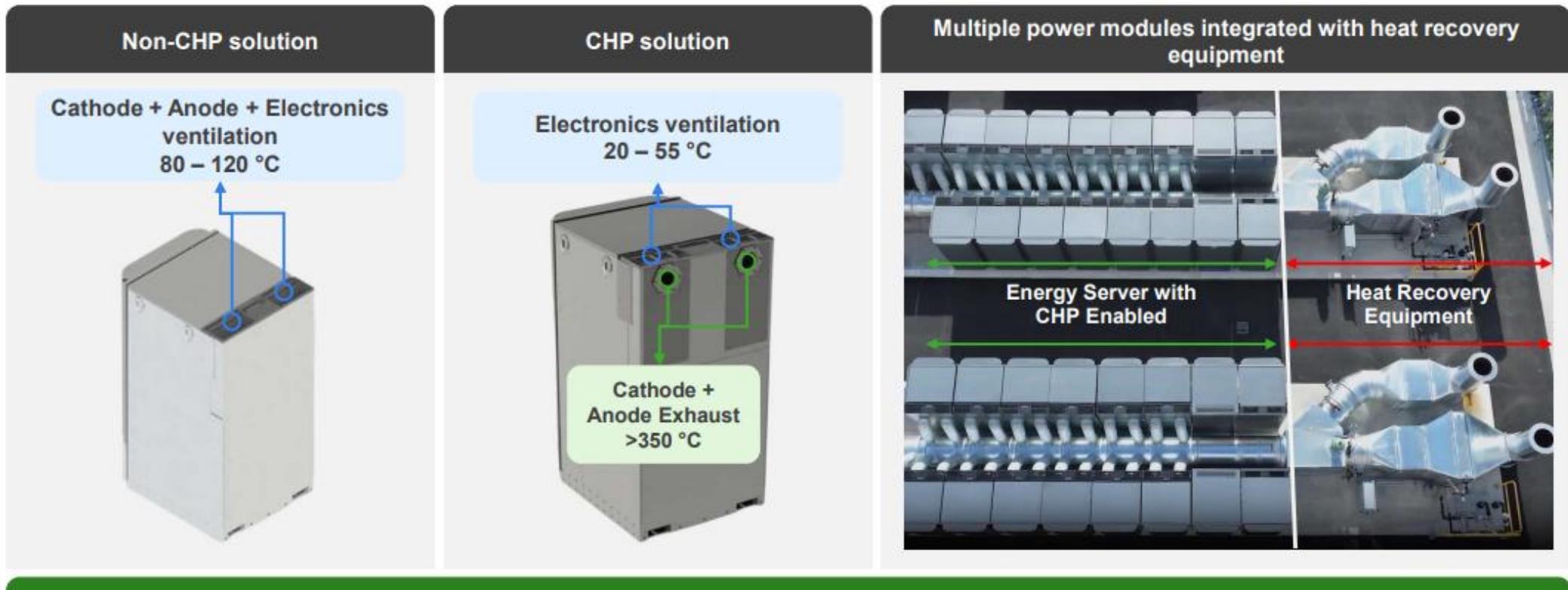
- No variation of performances due to ambient conditions
- Our servers operate in parallel, with no single point of failure.
- UPS quality power
- All systems are monitored 24/7, and concurrent maintenance services have no impact on availability



Sustainability: our technology will enable CO₂-free projects

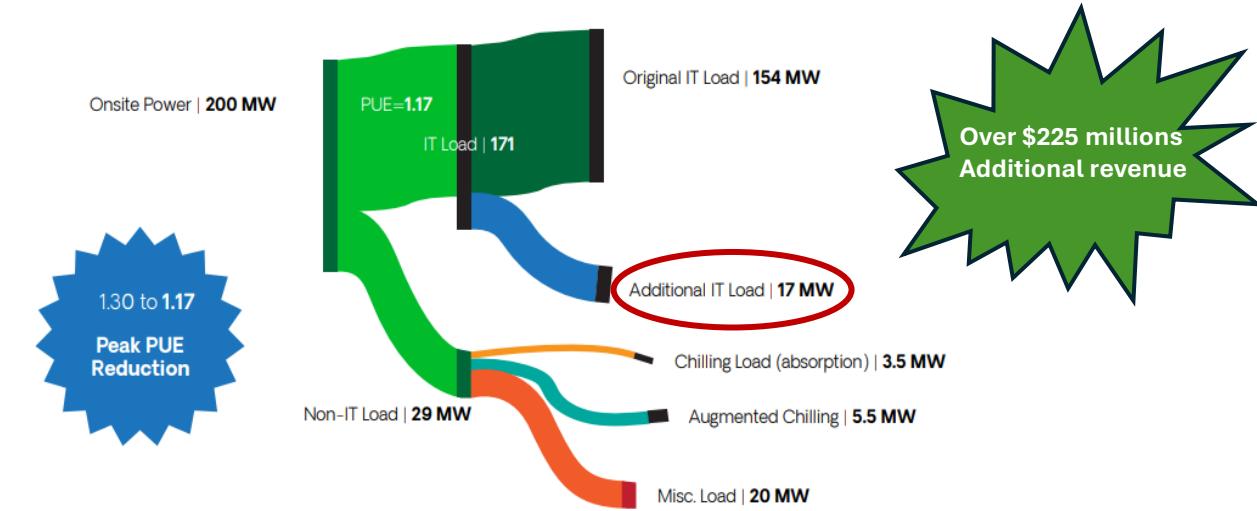
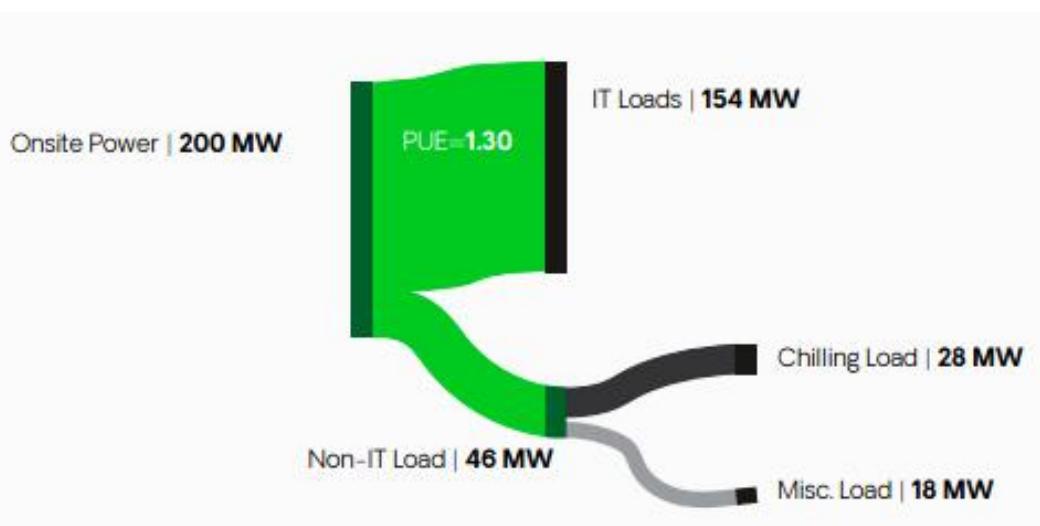
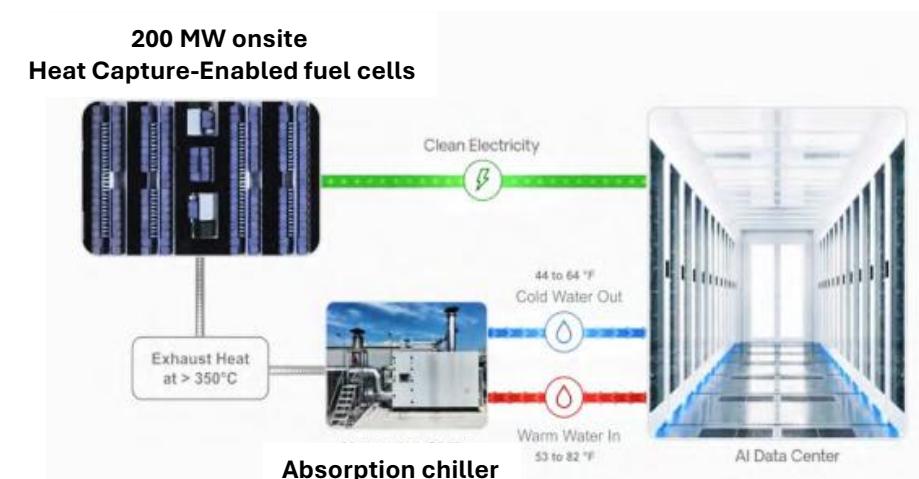
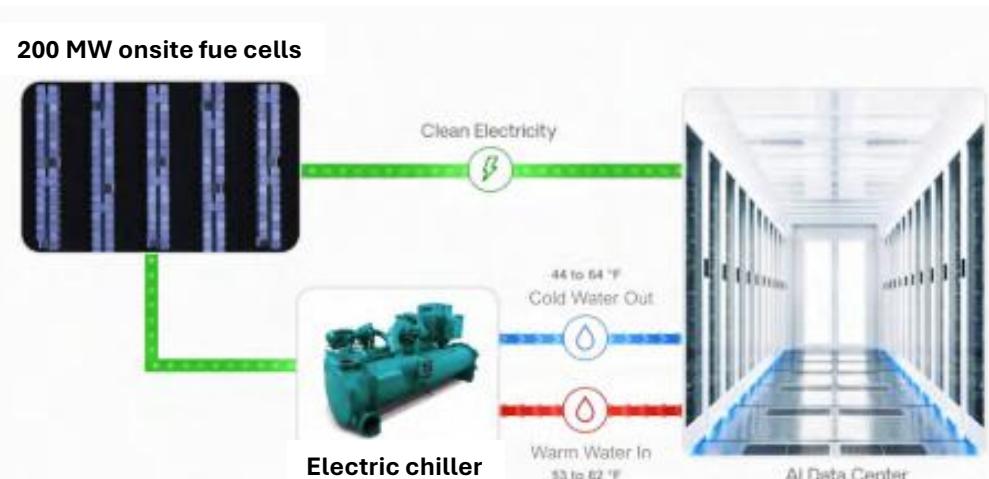


Bloom's CHP Solution



CHP enabled fuel cells for high grade heat applications

Efficiency comparison between electric chillers and integrated power and cooling solution





Bloom**energy**[®]

What happened in the last 2 years

- ▶ Modular Design with High Power Density – reduce footprint
- ▶ 80MW Single Site – ability to operate at large scale
- ▶ **1GW deal with AEP** - ideal choice for powering AI DC
- ▶ CHP lite design - >90% total CHP efficiency, 20% less space
- ▶ Oracle AI DC within 90 days – time to power excellence
- ▶ Turn-key Capability in EU – serving Customer needs
- ▶ PPA option available in EU – service provider no CAPEX investment
- ▶ Bridge Power solution – enabling business while grid is coming
- ▶ **\$5B Brookfield Partnership** - power Next-Gen AI Factories



Bloom**energy**[®]

What
Powers
You

 **TELAM** GLOBAL
PARTNERS

Luis Crespo
lcrespo@telampartners.com