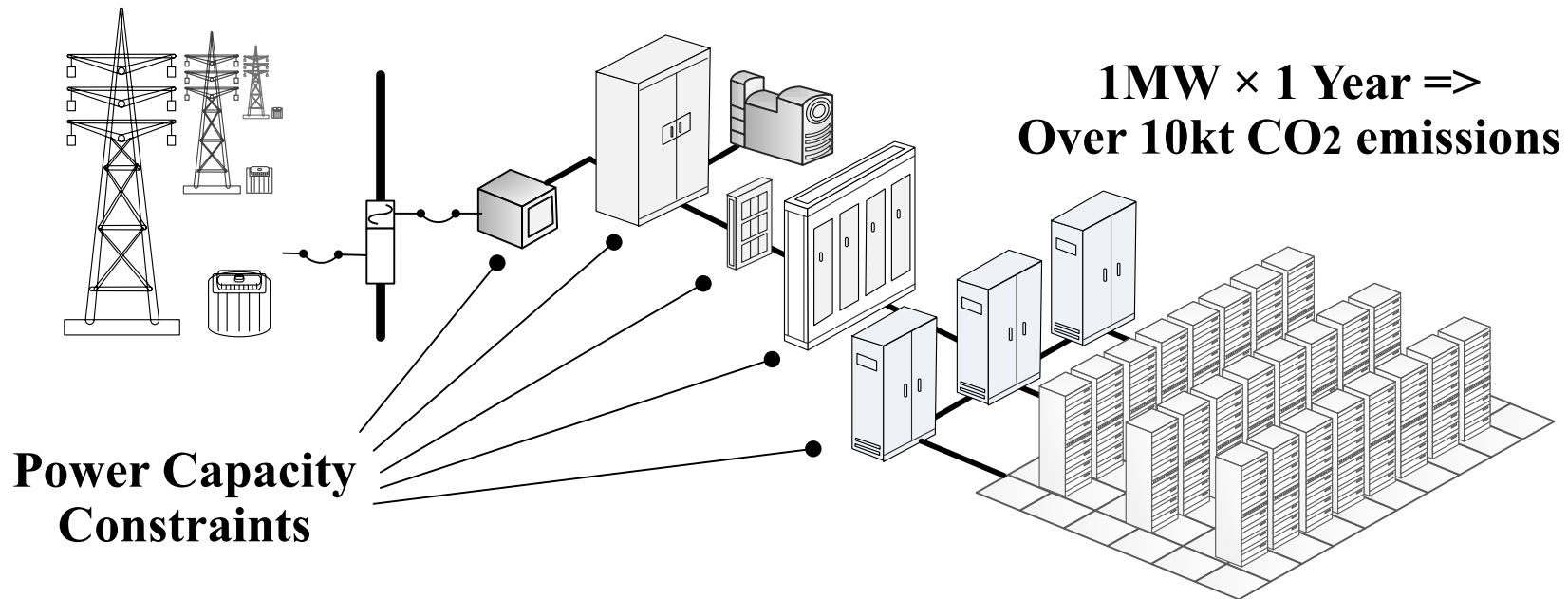


# Enabling Datacenter Servers to Scale Out Economically and Sustainably

Chao Li, Yang Hu, Ruijin Zhou, Ming Liu, Longjun Liu, Jingling Yuan, Tao Li  
University of Florida

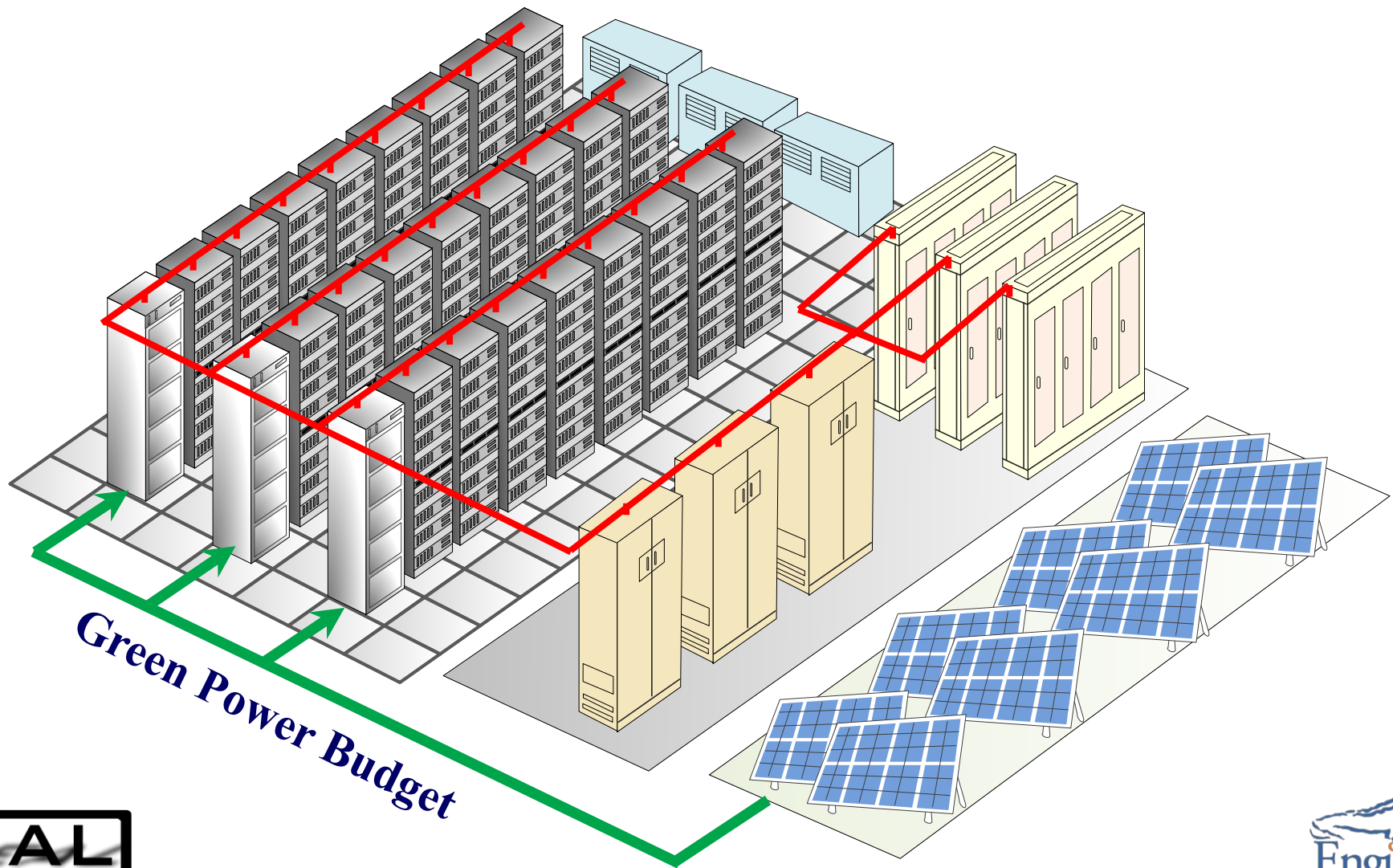
As data sets become **big**, servers must **scale out**



Unfortunately, modern datacenter servers are both **power-constrained** and **carbon-constrained**

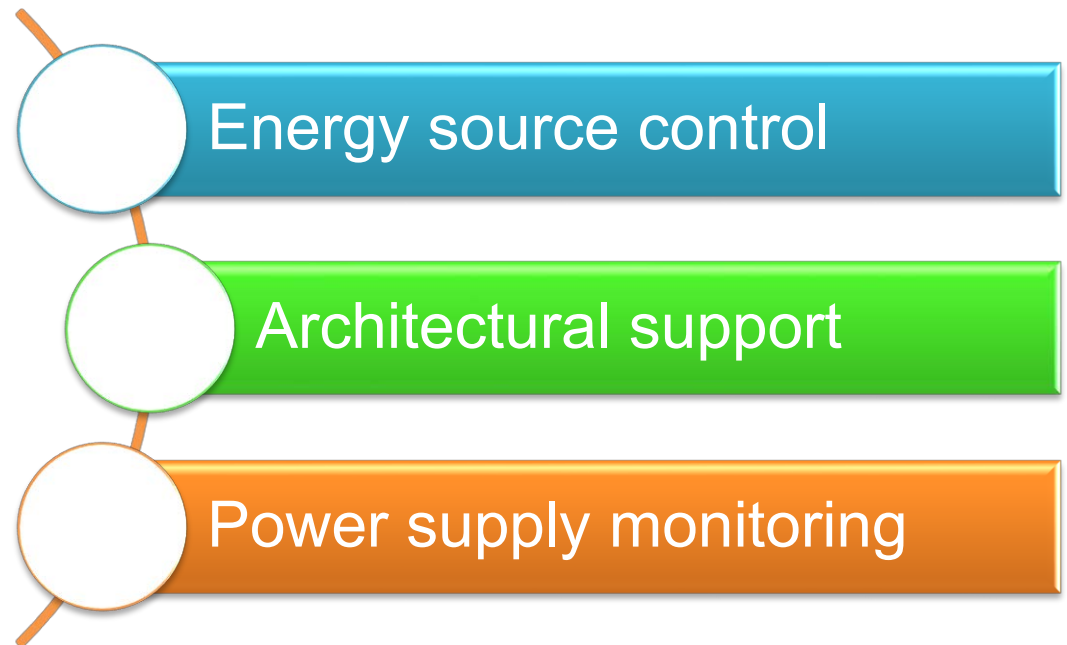
**Distributed, incremental green energy integration** allows a datacenter to double its power capacity with zero emissions and 25% cost reduction

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# Oasis & Ozone: A unified power provisioning framework for scale-out green datacenters

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**Welcome! (15:30-17:00 Session 5A - #1)**