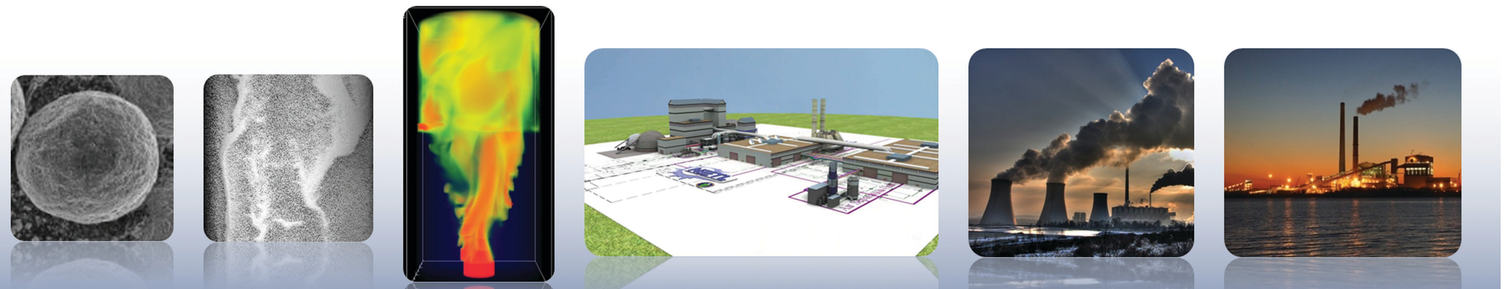
CROSSCUTTING TECHNOLOGY

A Partnership to Accelerate Technology Development



Rapidly synthesize optimized processes to identify promising concepts → Better understand internal behavior to reduce time for troubleshooting → Quantify sources and effects of uncertainty to guide testing & reach larger scales faster → Stabilize the cost during commercial deployment

CCSI Carbon Capture Simulation Initiative

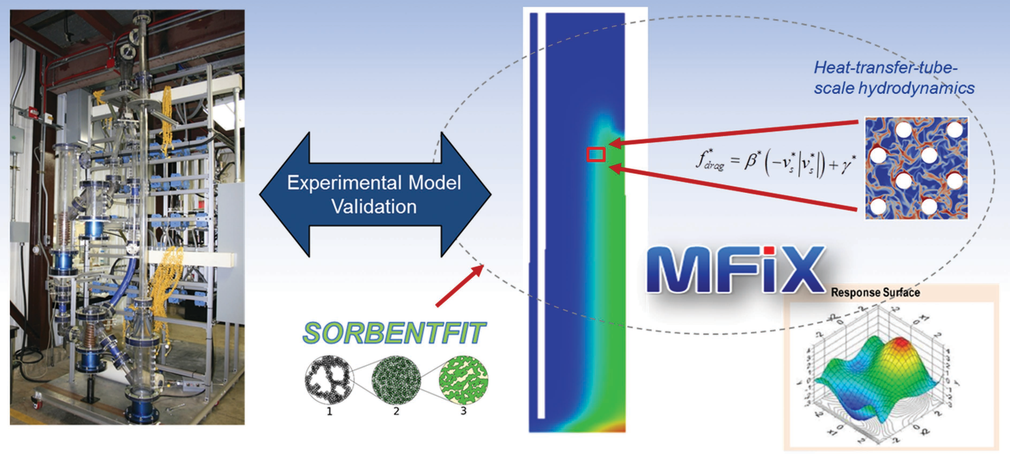
Berkeley Lab · Pacific Northwest National Laboratory · NETL · Los Alamos National Laboratory Est. 1943 · Lawrence Livermore National Laboratory

EPRI Electric Power Research Institute · GE · PSE · FLUOR · URS · Southern California Edison An Edison International Company San Onofre Nuclear Generating Station · ANSYS

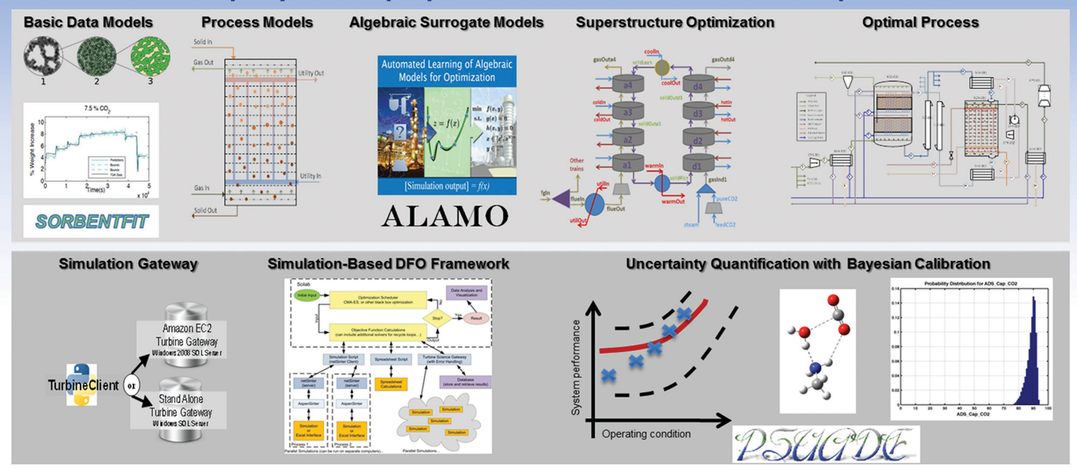
West Virginia University · Carnegie Mellon · Boston University · aspentech · Phillips 66 · ALSTOM · Eastman · AEP American Electric Power · Chevron · Schneider Electric

Princeton University · The University of Texas at Austin · ADA Environmental Solutions · Southern Company · Air Products · B&W The Babcock & Wilcox Company · ExxonMobil

Models to More Rapidly and Cost Effectively Scale Up Capture Technology



Tools to Rapidly Develop Optimal Processes to Focus Development Activities



U.S. DEPARTMENT OF ENERGY

STRATEGIC CENTER for COAL