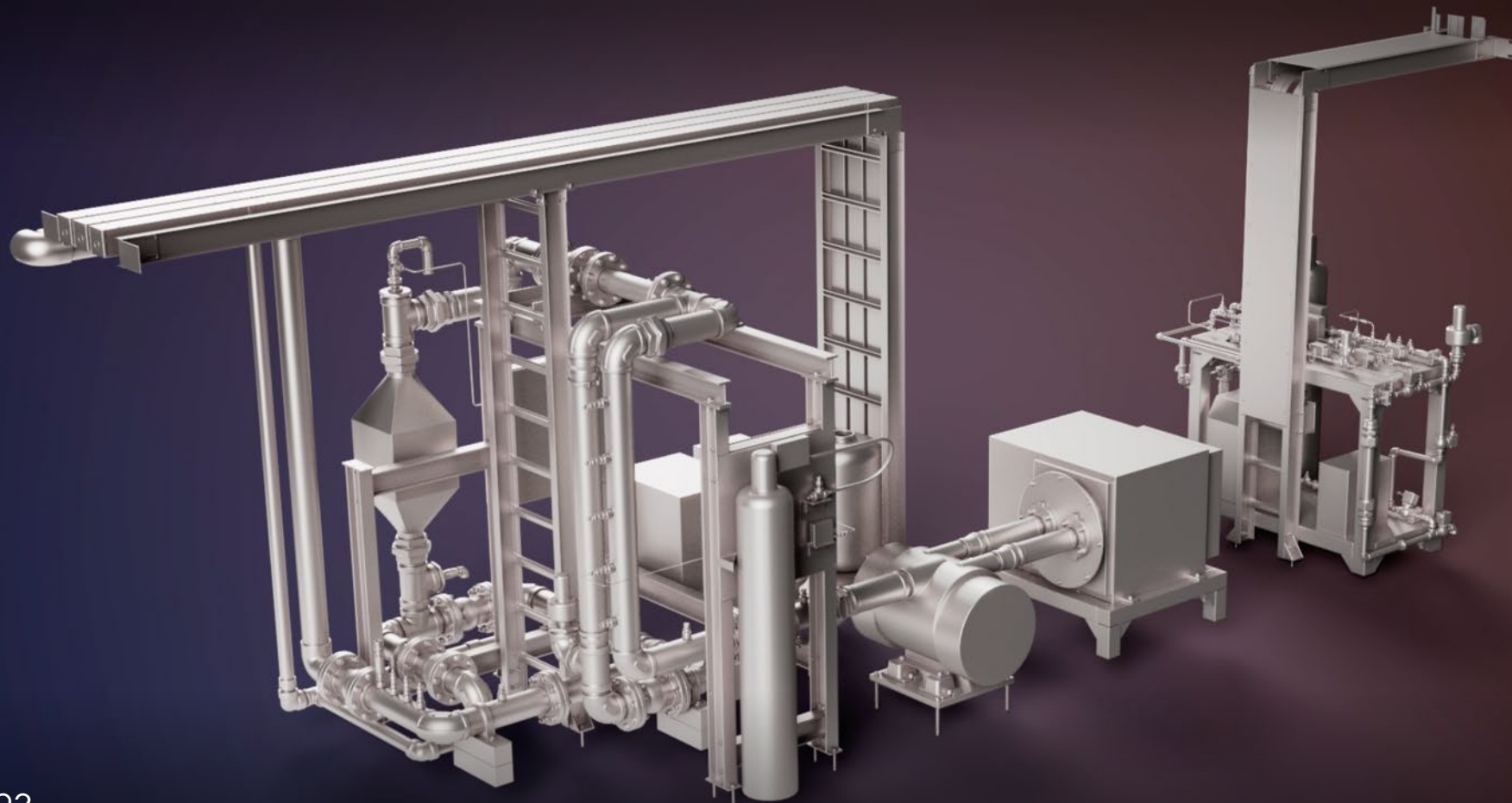




NETL DIRECT AIR
CAPTURE CENTER



June 8, 2023



- ✓ Inclusive, State-of-the-Art Testing Facilities
- ✓ Collaborative Access to NETL's World Class Expertise
- ✓ Standardized and Bespoke Options Representing the "Gold Standard" in Performance Evaluation
- ✓ Realistic and Accelerated Degradation Testing

CAPABILITIES



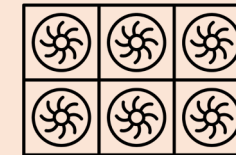
Material scale

systems for novel solvent and sorbent material assessment (~0.1 kg CO₂/day)



Module scale

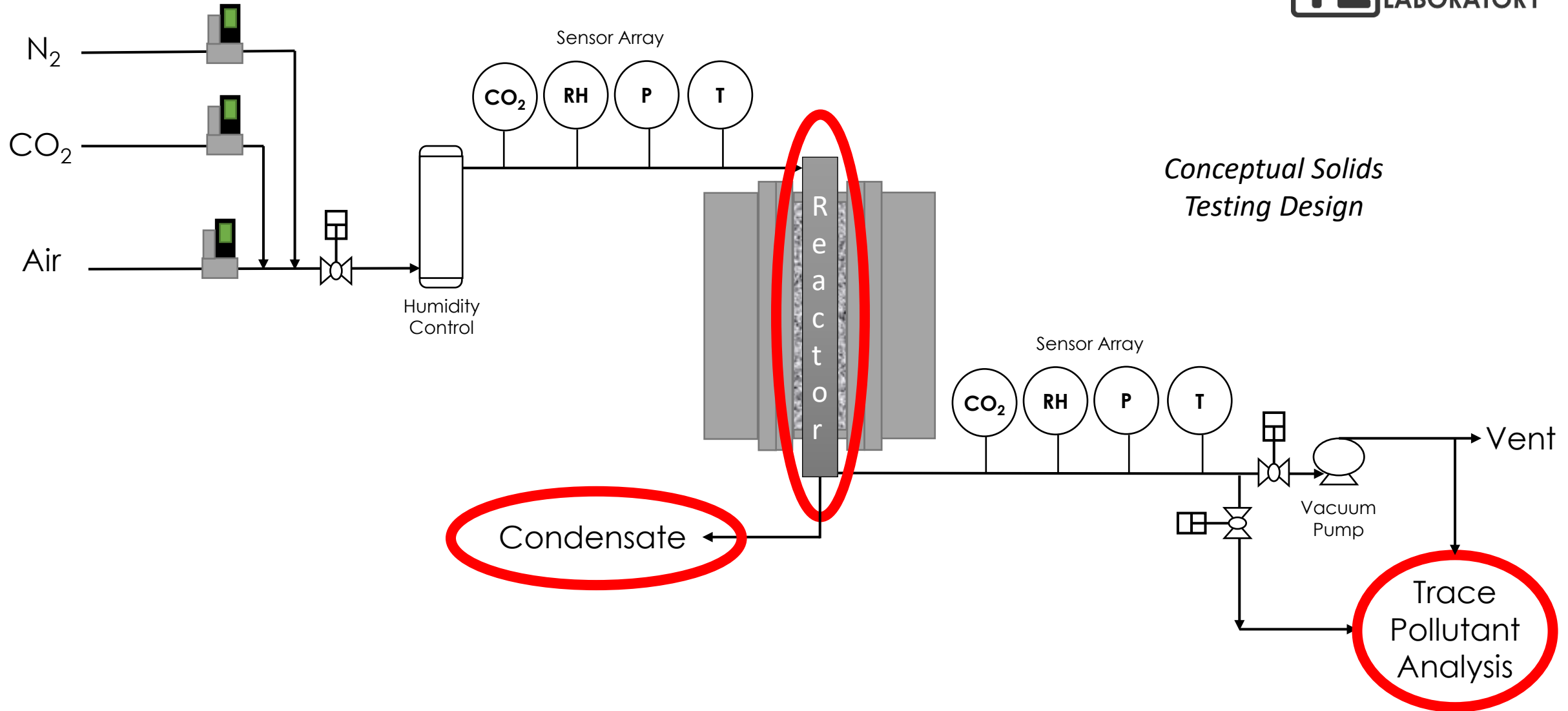
test beds with flexible reactor designs (~4 kg CO₂/day)



Prototype scale

bays for evaluating developer-built DAC skids (~30 kg CO₂/day)

Trace Emissions Analysis Needs



CAPABILITIES



Material Scale

systems for novel solvent and sorbent material assessment
(~0.1 kg CO₂/day)

Sampling

Solid: Elemental Analysis
(Offline)

Liquid: GCMS (Offline)

Gas: PTR-TOF-MS
(Online, Periodic)



Module scale

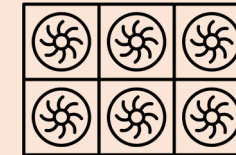
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