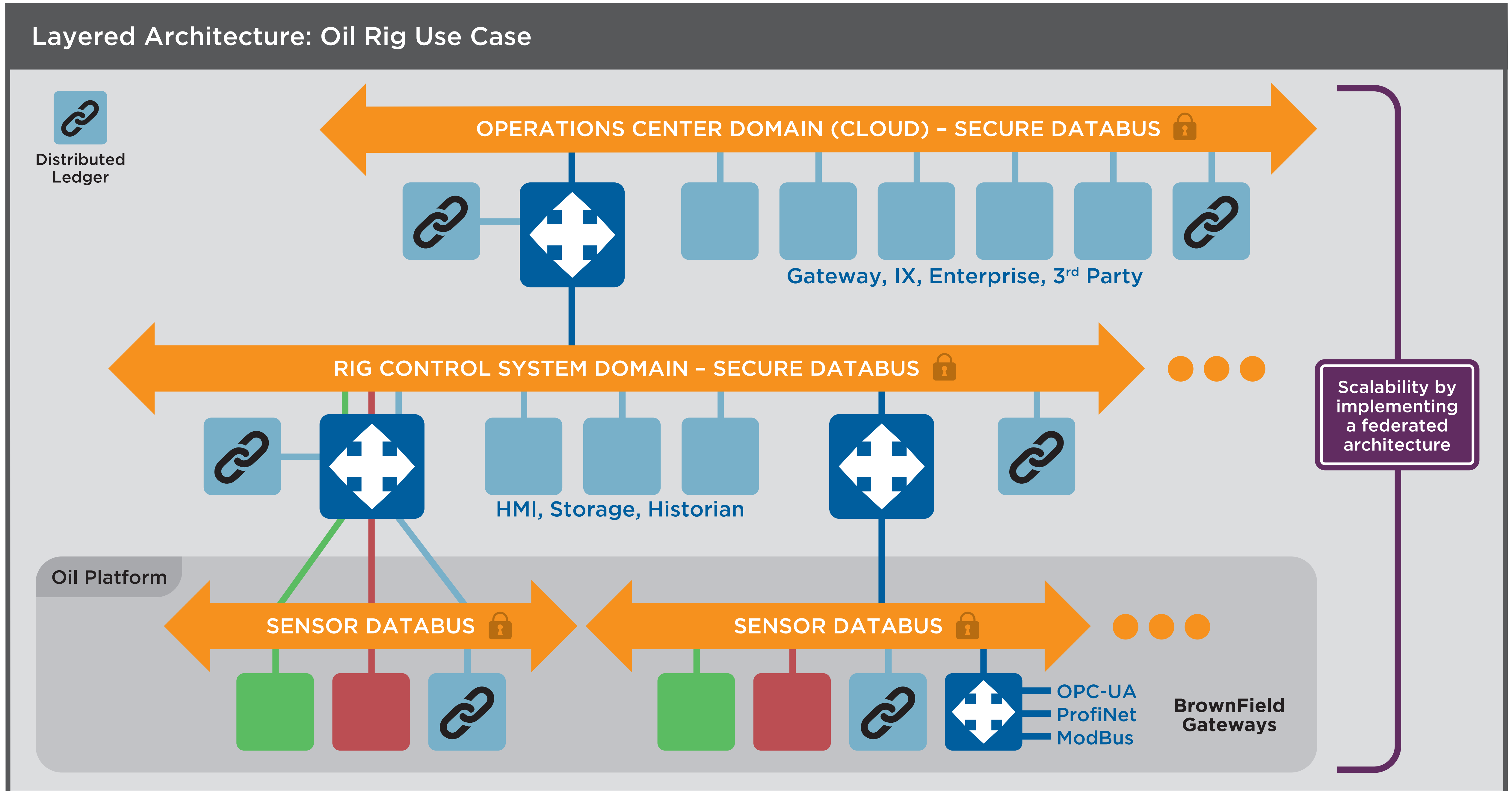




U.S. DEPARTMENT OF
ENERGY
SBIR Phase I

ENHANCING FOSSIL FUEL SYSTEM CYBERSECURITY USING BLOCKCHAINS

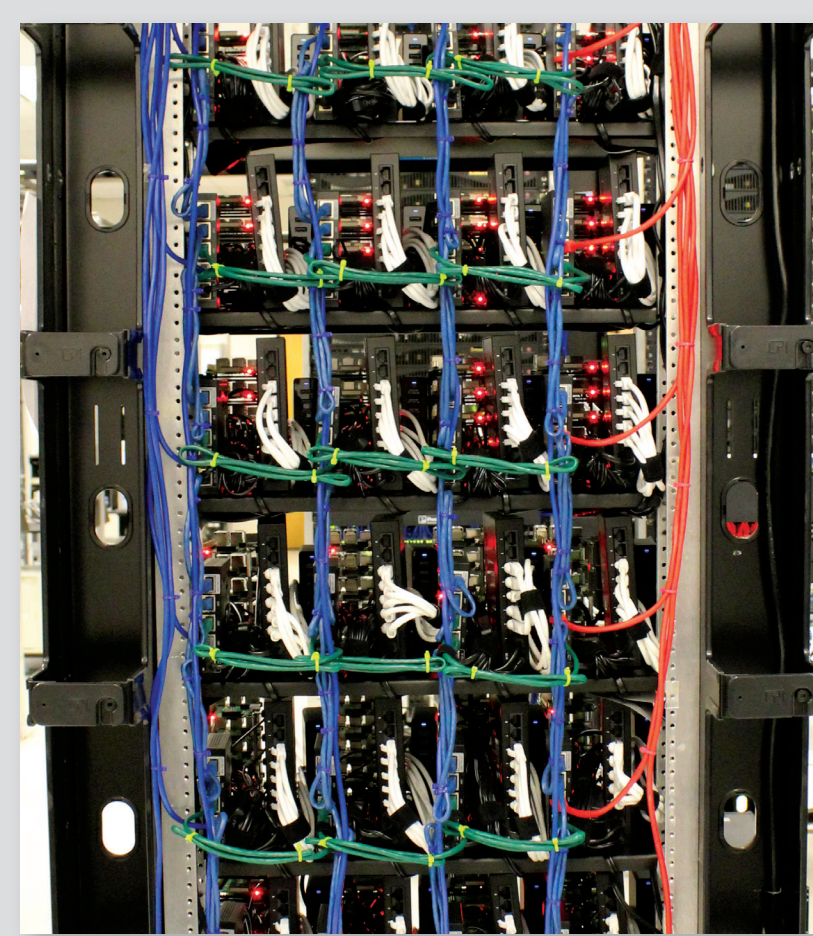


THE FOUNDATION IS TRUSTED DATA AND REAL-TIME OVERSIGHT

Data Creation	Data in Motion/Provenance	Data at Rest	Oversight
Harden OS/PC	OMG Data Distribution Service	Blockchain	Smart Contracts

SBIR Phase I: Investigating the Architecture & Scalability of Blockchains for Fossil Fuel Systems

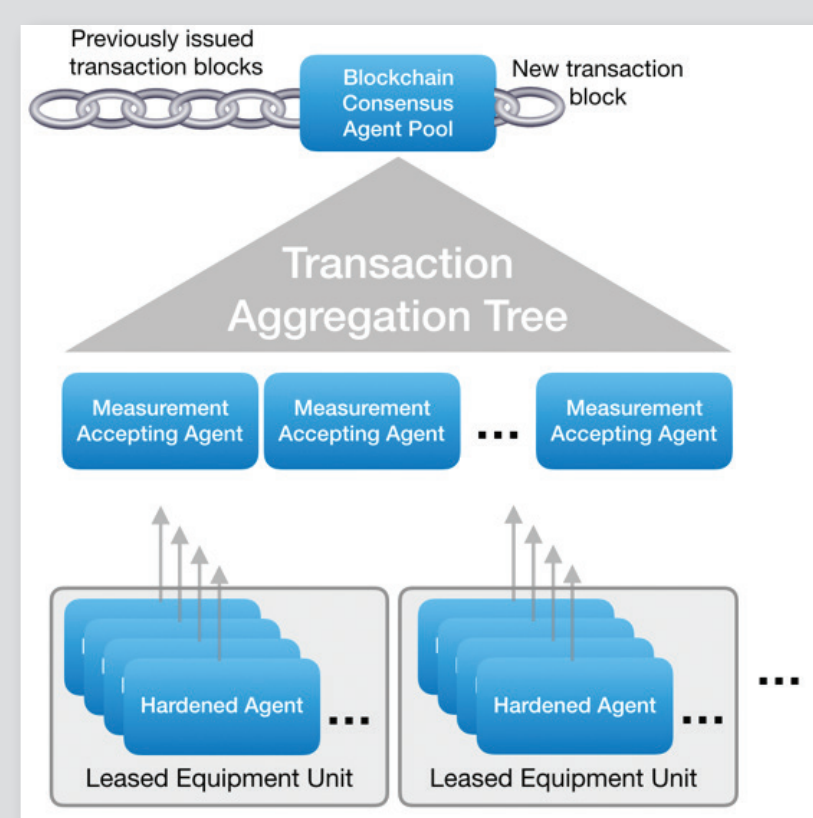
Phase I Prototype



110 ARM-7 Devices



32 Intel Xeon PCs

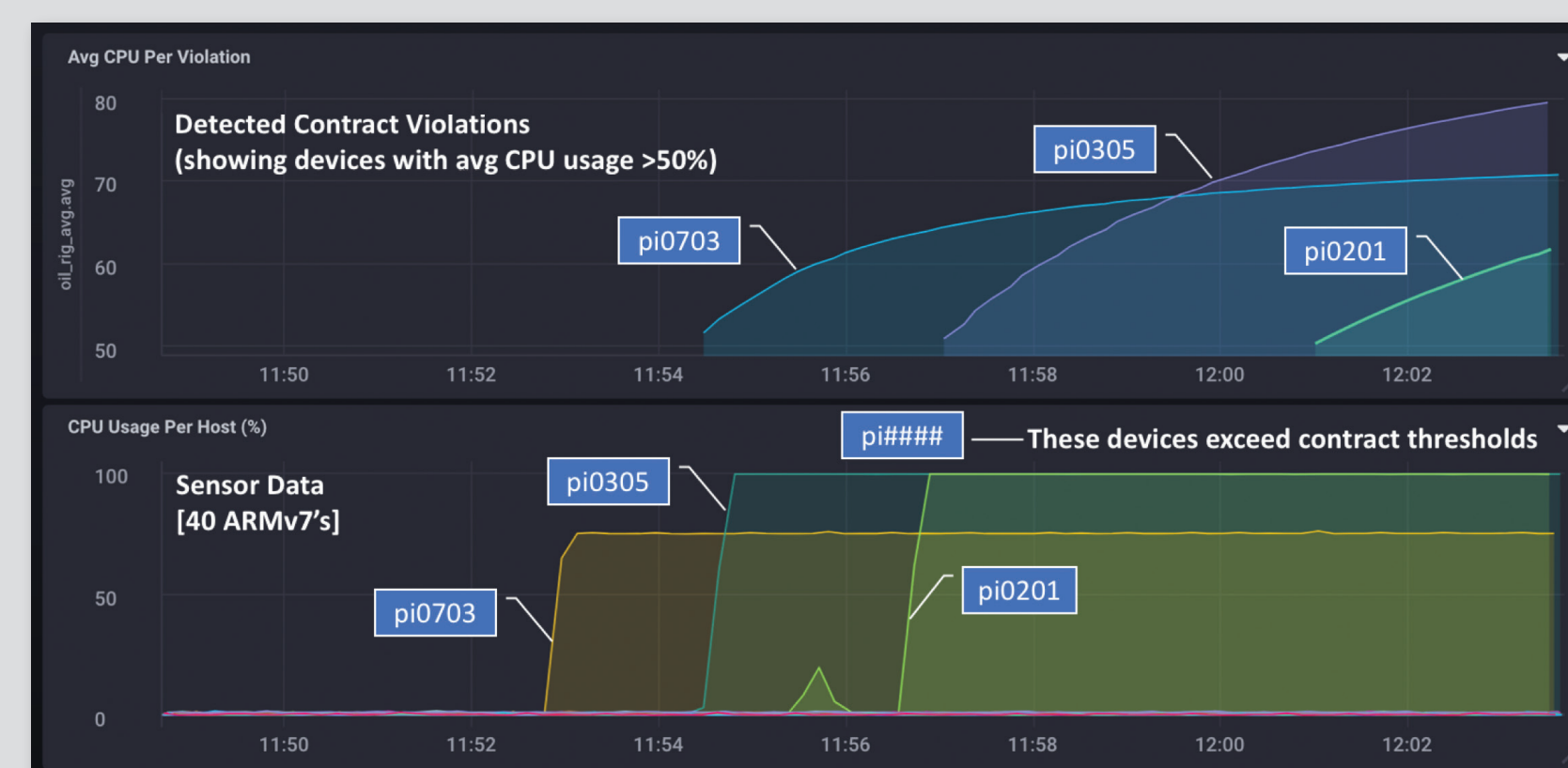


Building Trust Into Industrial Systems

Use Case 4: Leased Equipment Monitoring

Enabling System Automation by Creating Trust

- **Secured Data** from creation to ledger
- **Permissioned Blockchain**
- **Smart Contracts** monitor lease compliance



Current Funded Research



OMG Data Distribution Service (DDS) is used in energy, transportation, medical, and defense systems.

Commercialization Achievement Index = 100