

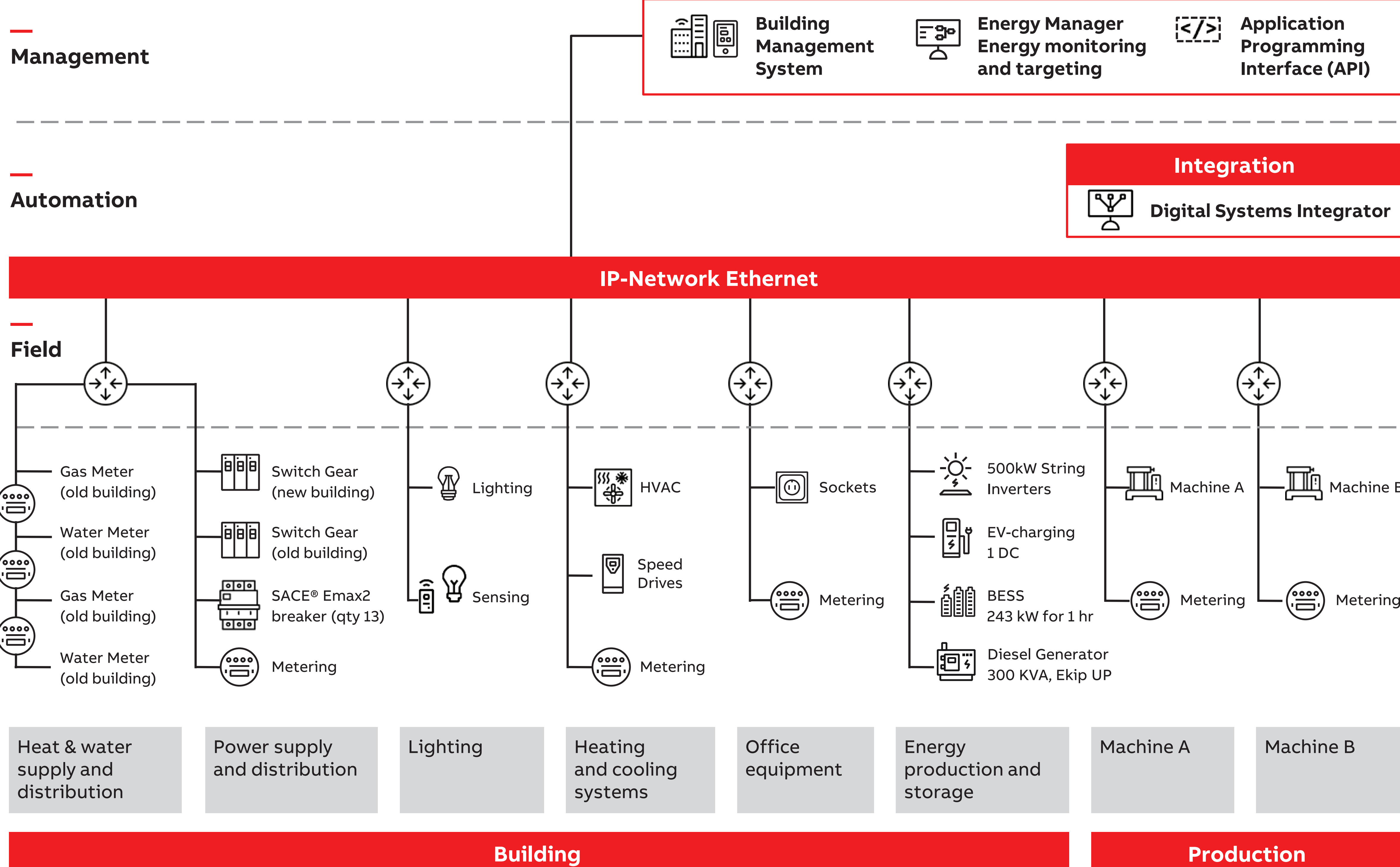
A MISSION TO ZERO...ONE FACILITY'S JOURNEY TO ACHIEVE CARBON NEUTRALITY

BRIAN NELSON, RENEWABLES SEGMENT LEADER



Senatobia MISSISSIPPI
\$1.5m investment

FACTORY ARCHITECTURE



PROJECT GOALS

Meet Green Building Policy and sustainability goals through the use of energy data collection, monitoring and analysis

SUSTAINABILITY GOALS

- Reduce energy consumption, cost and associated CO₂ emissions
- Increase use of renewables and energy storage

METHOD

Establish control architecture for office and manufacturing spaces and manage on-site microgrid through:



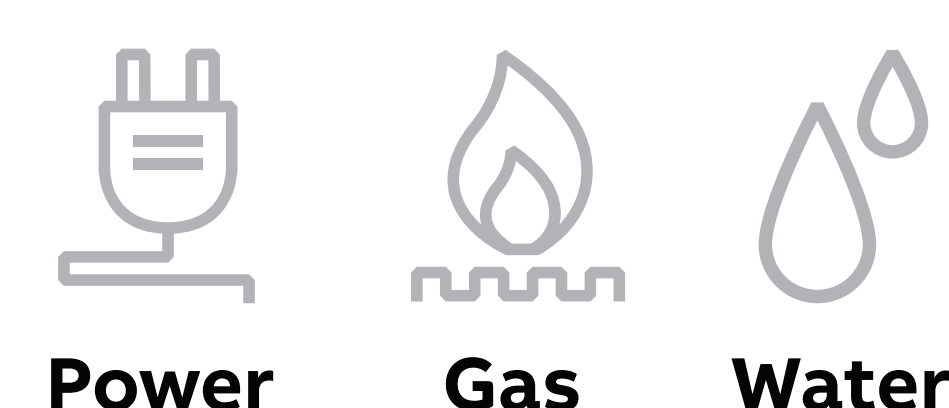
ANTICIPATED RESULTS

87%
Shift to renewable energy from current energy sources

>25%
Reduction in energy consumption, cost and CO₂ emissions
Solar production of ~750,000 kWh annually
Energy savings via optimization + battery storage: ~250,000 kWh pa

Granular data collection, monitoring, and reporting of consumption

Separate data for production equipment and building (power)
Separate data for new building and old (power, gas and water)
Sub-metering for HVAC and lighting (power)



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