



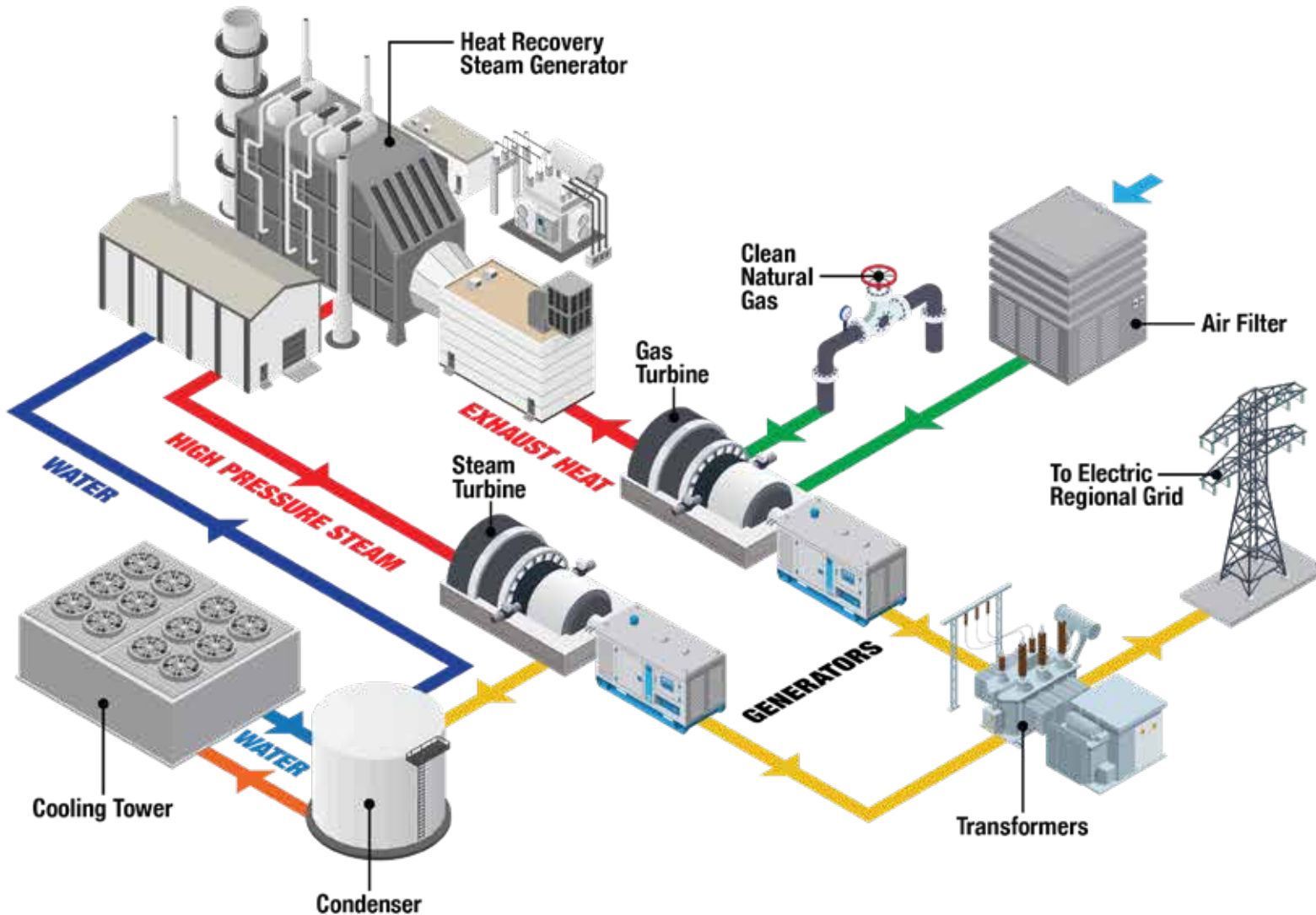
EDITION 1  
VOLUME 4

# EMPOWERING HIGH-EFFICIENCY COMBINED-CYCLE NATURAL GAS PLANTS WITH SOUTHWIRE SOLUTIONS

Composed By: Yuhsin Hawig, Ph.D., VP of Applications Engineering | Vinamrata Chadha, Director of Market Analytics, Power & Industrial



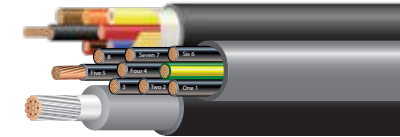
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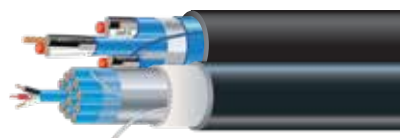
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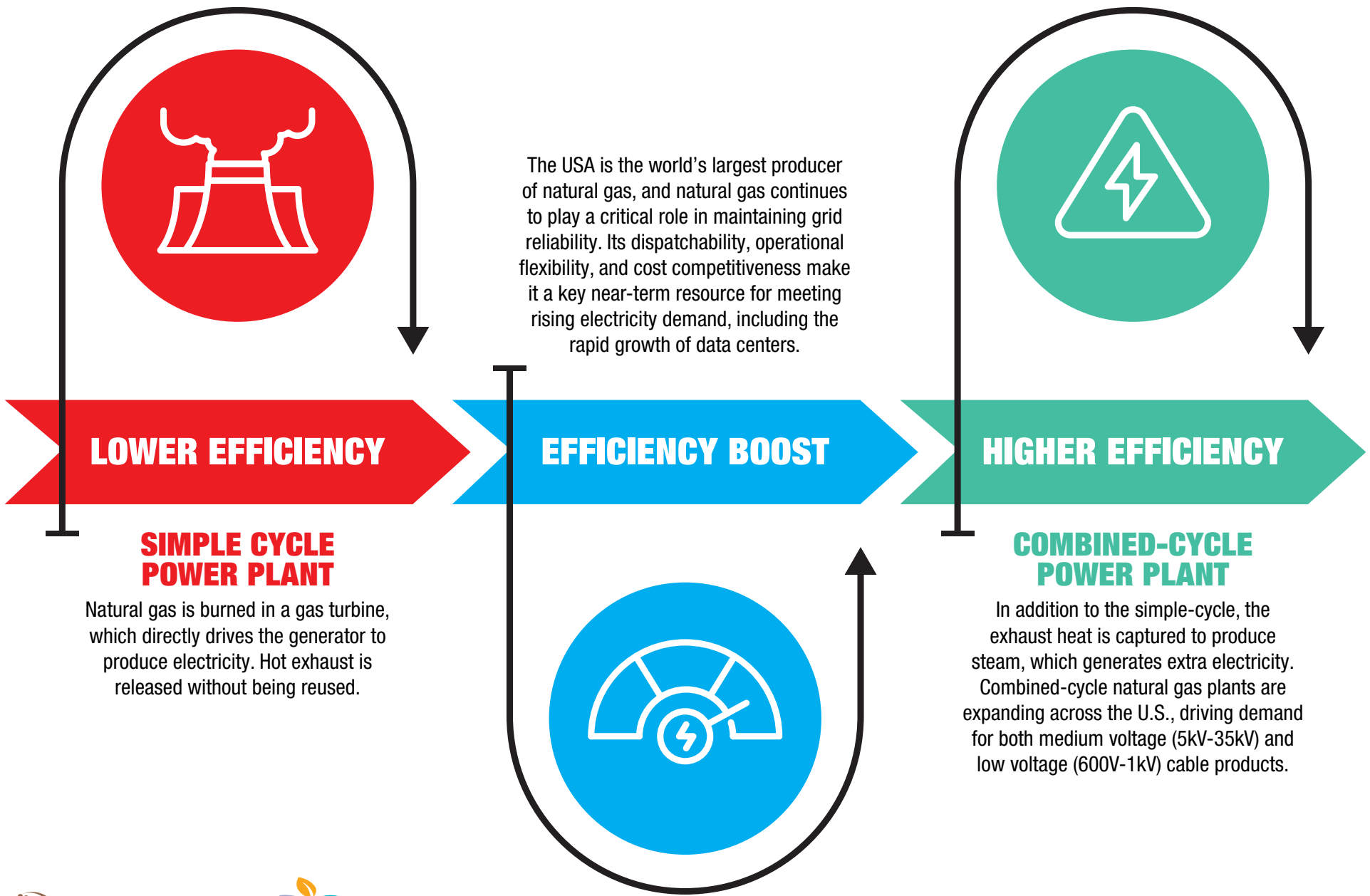
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# EMPOWERING HIGH-EFFICIENCY COMBINED-CYCLE NATURAL GAS PLANTS WITH SOUTHWIRE SOLUTIONS

Composed By: Yuhsin Hawig, Ph.D., VP of Applications Engineering | Vinamrata Chadha, Director of Market Analytics, Power & Industrial



The USA is the world's largest producer of natural gas, and natural gas continues to play a critical role in maintaining grid reliability. Its dispatchability, operational flexibility, and cost competitiveness make it a key near-term resource for meeting rising electricity demand, including the rapid growth of data centers.

## LOWER EFFICIENCY

### SIMPLE CYCLE POWER PLANT

Natural gas is burned in a gas turbine, which directly drives the generator to produce electricity. Hot exhaust is released without being reused.

## EFFICIENCY BOOST

## HIGHER EFFICIENCY

### COMBINED-CYCLE POWER PLANT

In addition to the simple-cycle, the exhaust heat is captured to produce steam, which generates extra electricity. Combined-cycle natural gas plants are expanding across the U.S., driving demand for both medium voltage (5kV-35kV) and low voltage (600V-1kV) cable products.