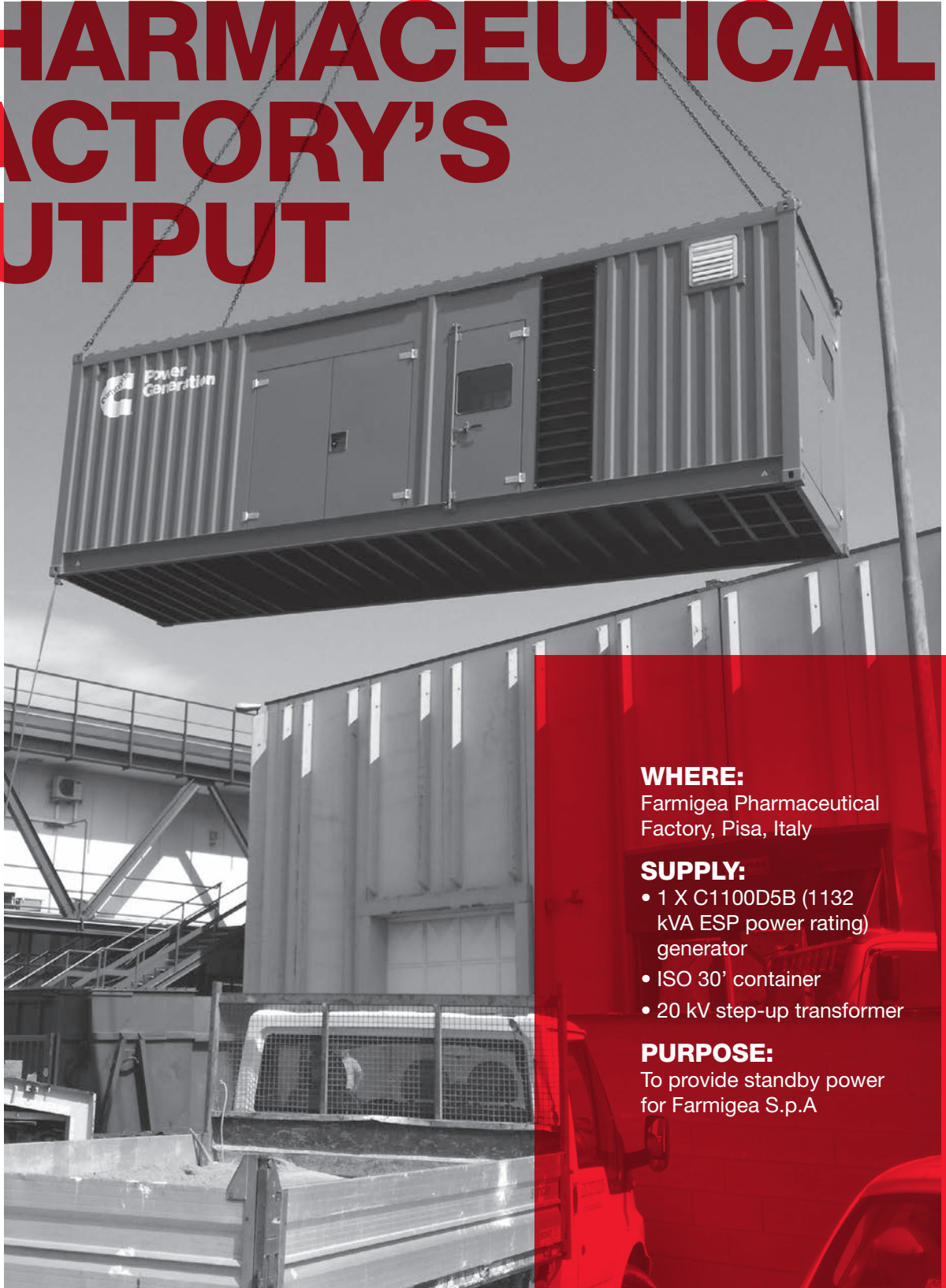


UPGRADING A PHARMACEUTICAL FACTORY'S OUTPUT

**WHERE:**

Farmigea Pharmaceutical
Factory, Pisa, Italy

SUPPLY:

- 1 X C1100D5B (1132
kVA ESP power rating)
generator
- ISO 30' container
- 20 kV step-up transformer

PURPOSE:

To provide standby power
for Farmigea S.p.A



ALWAYS ON

WHEN A FACTORY NEEDED TO EXPAND PRODUCTION, CUMMINS WAS THERE

CUMMINS SOLUTIONS FOR FACILITIES INVESTMENT:

From 2015 to 2017, Farmigea SPA's market demand increased dramatically, and their existing factory didn't have enough power support to cover the strain of additional production. To increase their electrical/thermal power capacity while keeping capital costs low, they turned to GESCO, their energy service company. In turn, GESCO came to Cummins Italy in Spring 2018 for solutions and equipment.

GESCO had two main concerns with the Farmigea project: the new power source had to protect against overloading the power grid, and the factory layout had to stay the same due to cost concerns. The Cummins Italy team, led by Business Development Manager Cesare Lemmi, recommended and installed a C1100 generator with additional support that met the project's requirements perfectly.

Cummins used the factory's existing step-up transformer, instead of an additional unit, with the new generator to increase nominal voltage. The factory thus moved from a low-voltage system to a medium one without the need for additional electrical wiring, cutting down on extra costs. And the team created a custom concrete container to hold the transformer set snugly in the existing factory layout – no rearrangement necessary.

In the end, Cummins increased the factory's diesel generating set power from 200 to 800 kW. Farmigea was able to beef up drug production and not worry about blackouts. With a high-efficiency generator and the right container design, GESCO was pleased with Cummins Italy's ingenuity.



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