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Another project delivered by Grupa Azoty ZAK under New Energy Concept

Grupa Azoty ZAK has successfully completed its latest investment project, installing a new oxygen compressor at the Ammonia Department of its plant in Kędzierzyn Koźle, set to bring about notable improvements in process and workforce safety. Worth nearly PLN 77m, the project marks another milestone in the New Energy Concept, one of the flagship investment programmes currently underway at Grupa Azoty ZAK.

The key element of the project was to replace the aging oxygen compressors driven by steam turbines with a new, electrically driven counterpart. The placement of the new compressor within a dedicated facility will contribute positively to the overall safety standards for workers, while ensuring the continuity of production.

The comprehensive scope of the work encompassed various aspects, including the procurement and installation of the new compressor with all associated equipment, but also the construction of the compressor facility, provision of utility pipelines to support the compressor and the facility, installation of control and measurement systems, and establishment of power supply infrastructure. Furthermore, it involved the integration of the new compressor into the existing units of the Ammonia Department as well as the system of process controls and interlocks.

"The recently completed project was undertaken to advance our New Energy Concept – a programme focused on harnessing heat generated during ammonia production to obtain energy carriers and electricity. We are now on the verge of the programme completion, with overall progress exceeding 90 percent," explains Filip Grzegorzczak, President of the Management Board of Grupa Azoty ZAK and Vice President of the Management Board of Grupa Azoty S.A.

As part of the larger strategy of the New Energy Concept, the Company is concurrently progressing with the seventh and final task: the construction of a peak-load/reserve boiler house within the Energy Business Unit.

