



## KAMAZ PTC: consulting and implementation

**KAMAZ Group of Companies** is the largest automobile corporation in the Russian Federation, and one of the world's top 20 heavy-duty truck producers.

On the industrial site of Naberezhnye Chelny in the Republic of Tatarstan, Russian Federation, the all-encompassing production base of KAMAZ PTC covers the overall truck manufacturing cycle, from design, production, assembly of vehicles and components, up to sales of the finished products and service backup. As part of this process several major plants and operations are located on this industrial site. These include: Foundry and Forge Plant, Engine Plant, Press and Stamping Plant, Automobile Plant and Repair and Tool Making Plant.

KAMAZ foundry operations in Chelny include i.a. the cast iron-, steel- and non-ferrous casting facilities as well as a foundry tooling production. Besides the 100% of all castings for KAMAZ trucks, an ample variety of castings for other customers are produced in Chelny.

KAMAZ assigned GEMCO the task to perform a technical audit for the 3 mentioned casting facilities. The audit comprised the complete operations from equipment and foundry logistics, up to and including the level of present cast metal knowledge (of the employees). The second phase of the audit involved a full product analysis for each facility. The assessment was completed with a benchmark analysis that covered all foundry processes with significant impact on overall efficiency and performance of the foundries.



*Gemco team at Kamaz*

GEMCO has started with the project management and engineering of the modernization of the iron foundry, followed by the foundry ramp-up. The foundry produces engine blocks and heads and other commercial vehicle's parts. This modernization project will allow KAMAZ to optimize their foundry capacity and reach even higher quality standards.

Product: commercial vehicle castings, hubs, brackets, housings  
Metal: grey iron, ductile iron

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