

## **SCHADE Wagon Tippler for Russia Kaluzhskiy Cement orders New Multi-Purpose Rail Intake Facility**

*By Matthew Jones – SCHADE Lagertechnik (AUMUND Group)*

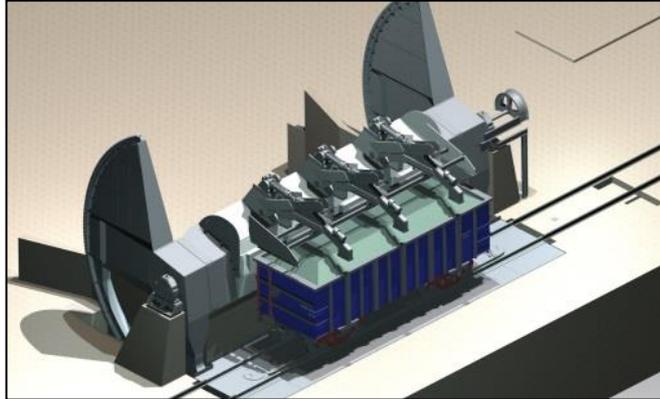
**Kaluzhskiy Cement are building what will be one of the largest and most modern cement plants in Russia with a design production capacity of 3.5million tons per year. The plant design is based on Best Practice engineering and environmental standards in compliance with European and World Bank standards, due for commissioning in 2014.**

Limestone will be sourced locally from the extensive deposits found throughout the Kaluga Oblast but other materials such as Bauxite, Iron Ore, Gypsum and Slag will be imported by rail and road using the new intake facility designed specifically for this installation by the SCHADE engineers based out of their office at Bristol in the UK. SCHADE have developed a range of wagon tippler concepts including the standardised “O” Frame and “C” Frame designs, but, for this project, the SCHADE “Pivot-Frame” system was chosen both for its flexibility in plant layout and the ability to combine the tippler with an automated wagon charger to move the wagons into and out from the tippler working zone. With the Pivot-Frame design the associated hopper may be placed beside the tippler giving access for road trucks to discharge to a common feeder; another cost saving feature of this plant.

After examining the client’s site survey SCHADE engineers immediately realised the rail track routing to and from the tippler would be potentially a major issue with level ground on the entry side but on the exit side the ground fell away sharply potentially requiring many thousands of tons of back filling to level the track. With some “Out of the Box” thinking SCHADE offered a novel solution with a wagon traverser to allow the wagons to enter and exit from the same side of the tippler location using parallel track avoiding the extensive backfill operation. This will be phase 2 of the project offering in addition to the clear benefit in track-work and civil engineering costs the parallel track system will allow the introduction of a second track hopper for bottom discharge wagons whilst using a common conveying system.

SCHADE offered the client a flexible solution tailored for their specific needs considering both the operational demands and site geography to arrive at an economical and efficient layout without sacrificing performance or reliability, delivering innovative dependable materials handling systems.

## PRESS INFORMATION



### **About the AUMUND Group**

*The AUMUND Group is active worldwide. The conveying and storage specialists have special expertise at their disposal when dealing with bulk materials. With their high degree of individuality, both its technically sophisticated as well as innovative products have contributed to the AUMUND Group today being a market leader in many areas of conveying and storage technology. The manufacturing companies AUMUND Fördertechnik GmbH (Rheinberg, Germany), SCHADE Lagertechnik GmbH (Herne, Germany), SAMSON Materials Handling Ltd (Ely, Great Britain) as well as AUMUND Logistic GmbH (Rheinberg, Germany) are consolidated under the umbrella of the AUMUND Group. In conjunction with the headquarters of the manufacturing companies, the global conveying and storage technology business is spearheaded through a total of eight locations in Asia, Europe, North and South America.*

### **Press Contact:**

AUMUND Holding B.V.  
Wilhelminapark 40  
5911 EE Venlo  
The Netherlands  
Phone: +31 77 32 00 111  
[marketing@aumund-holding.nl](mailto:marketing@aumund-holding.nl)  
[www.aumund.com](http://www.aumund.com)