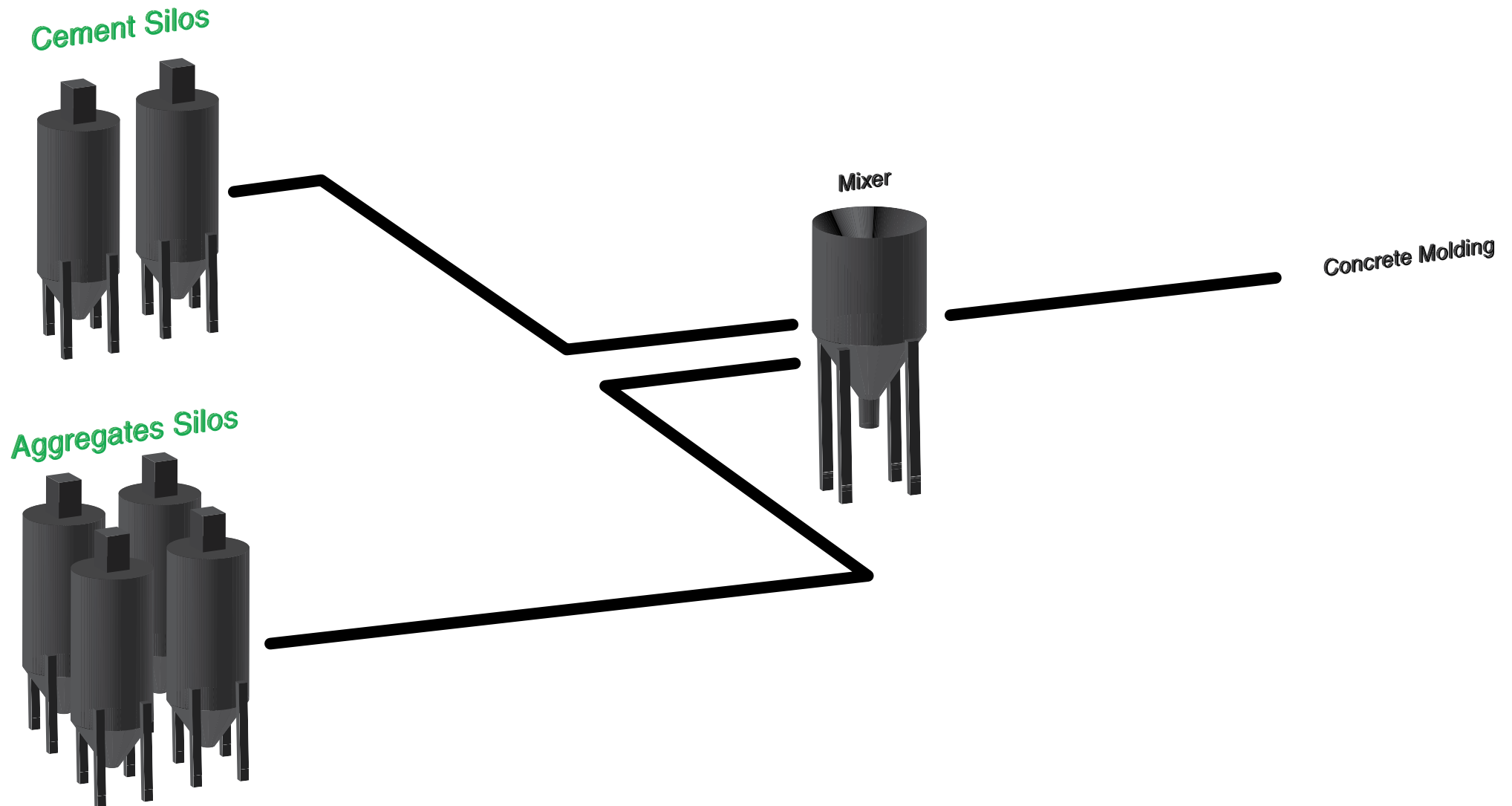# Concrete Production

Industry Applications Series

APM

*Changing the market
from level to volume*

Concrete Production
Diagram

Cement Silos

Aggregates Silos

Mixer

Concrete Molding

Cement Silos

Application: Cement is stored in large silos before entering the mixing process.

Challenges: The process creates a very dusty environment inside the silo. Build-ups and rat holes tend to occur, risking damage to the silo. Knowing the quantity of material is important to assure a continuous production process. In addition to providing accurate, reliable measurements of the cement volume stored in the silo, the APM 3DLevelScanner's 3D visualization tool lets end-users see the actual distribution of cement inside the silo, allowing early detection of build-ups on the silo walls. This facilitates timely scheduling of maintenance and cleaning to avoid unexpected interruptions of the concrete manufacturing process and associated losses in time and money.

Aggregates Silos

Application: Aggregates are stored in silos before entering the mixing process.

Challenges: As concrete is produced by a mixture of fixed amounts of raw materials coming from different silos it is essential to have sufficient quantities of all raw materials on hand to avoid unnecessary and unexpected production stoppages. Therefore knowing the accurate amounts of the different types of materials stored in each silo is crucial to controlling the overall production cycle. APM's 3DLevelScanner provides accurate real-time measurements of the stored materials' volumes per silo, significantly enhancing inventory management and control capabilities.

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