## **Vertical Conveying in tight quarters!**



Solvay operates a large rock salt mine and a modern brine works in Borth, Germany, where salt qualities for various applications are extracted and purified. Continuous bucket conveyors have been operating for the combined horizontal-vertical conveying path of the "white gold" at this plant for many years. With NERAK's bucket conveyor system, the plant was able to use a material handling solution with a number of unique advantages, such as low space requirements, gentle & non-segregating product transport, and an innovative layout with a combination of horizontal and vertical sections.



The task was to find a conveying path within an existing storage and production facility, without conflict with the installed conveyors, pipes, machinery and steel structures. The product had to be conveyed from a feed silo with screened salt on the ground floor to the mixing and packaging equipment for nitrite brine salt at an elevation of 38 m (126 ft). In addition to the vertical lift of 35m (115 ft), a horizontal distance of over 42m (138 ft) had to be bridged. The required conveying capacity was 15 metric tons per hour.





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