



**SINCRO SYSTEM projects with PON CAD
the scaffolding for the Maintenance of the
Alumina Silo in Sardinia**



Project name: Alumina Silo Maintenance

Main Contractors: CONSORZIO GSI Global Services Industries S.r.l. c/o RUSAL
EURALLUMINA SPA – Polo Industriale Portovesme – PORTOSCUSO (SU)

Scaffolding: PERI UP Rosett Flex with 3,800 m³ volume and 5,032.00 m² area (external
circumference 136 m x 37 m high)

Technical Description: The installation of the scaffolding was necessary for the
maintenance of the reinforced concrete silo, for the treatment of the exposed
reinforcement rods affected by oxidation and the subsequent restoration of the surfaces.

Every 2 metres, decks were installed for the purpose.

Thanks to the use of PON CAD software, it was possible to calculate from the beginning
what elements of the PERI UP scaffolding were to be used to obtain a "clean and linear"
structure without the use of special pieces. In fact, the scaffolding consists of 68 fields of
2.50 Mt and as many of 1.50 Mt, using standard metal tables for 2.50 m fields and wood
for the 1.50 fields, maintaining as well the linearity of the toe boards, which give the
finished work a particular linearity.



[SINCRO SYSTEM S.r.l](#) is a company specialized in the construction sector, they deal with the assembly, disassembly and rental of fixed and suspended scaffolding, temporary roofing, personal protective equipment (PPE) and collective protection devices (temporary parapets and bodyguards), stages, grandstands and structures for sport and entertainment, civil engineering and temporary works in general, including design and feasibility studies

PON CAD

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