



01 MONITORING  
WITH DRONE



02 DESIGN AND  
REALIZATION OF  
HARDWARE CUSTOM



03 DESIGN AND  
REALIZATION  
OF DASHBOARD OF  
REMOTE CONTROL



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MONITORING SYSTEM WITH DRONE



2018-REV:00



## PILOT SYSTEM

OWAC uses a Remote Pilot Aircraft Systems (SAPR) for the generation of three-dimensional and digital models and high resolution orthophotos, of the areas to be designed and monitored. The aerofotogrammetria with drones allows the survey of the land characteristics not easily perceivable at ground level, and it allows, even through the use of infrared cameras, plant sections otherwise difficult to reach in the industrial plants. Through the design and implementation of custom hardware, it is possible to remotely control any signal, both analogue and digital, coming from the sensors present in the system. The data obtained are sent and stored in remote databases and made accessible with different levels through a highly customizable remote monitoring portal which meets the customer's specific needs. Thanks to remote monitoring, there are multiple benefits:

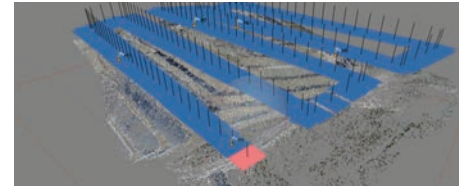
**MONITORING** the current level of productivity compared to forecasts, analyzing performance, collecting production data, operating in relation to production capacities.

**PLANNING** and implementing ordinary and extraordinary maintenance with the least possible impact on the continuity and high reliability of the service.

**DETECT** faults quickly and intervene to ensure continuity of service.



## HOW IT WORKS



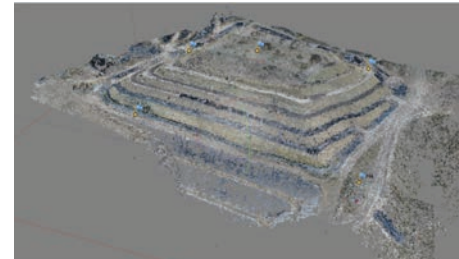
Aerial photo alignment



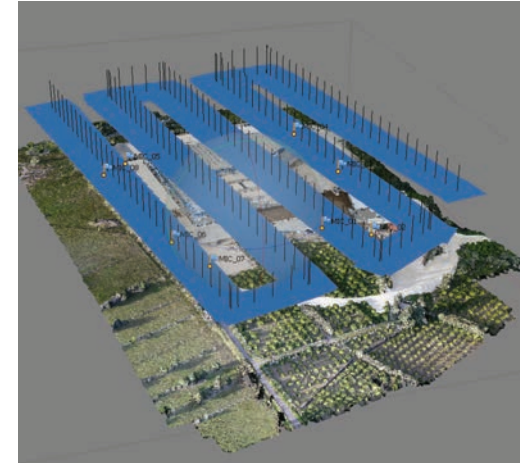
Restitution of cloud points from aerial survey



Restitution of cloud points from aerial survey



Restitution of cloud points from aerial survey



Aerial photo alignment

