



No limits innovation

SUCCESS STORY - MINING



RELIABILITY, EASE AND DURABILITY FOR LARGE HYDRAULIC EXCAVATORS



PROFILE

- **Application:** Mining.
- **Terrain:** coal mine - anthracite.
Impact level: high. Abrasion level: high.
- **Machine:** Hitachi* EX5500 hydraulic excavator.
- **Prior GET:** Wear parts from the competition's systems.

AIM

- Reliability, ease and speed when changing the wear parts.
- Eliminate breakage and loss of blade shrouds.
- Increase machine productivity.

MTG PROPOSAL

- Full frontal protection for the bucket with 148" (3760mm) Cast Lip 5 positions, equipped with all MTG Systems TwinMet G.E.T. on Hitachi* EX5500 hydraulic excavator.

THE TEST

For this coal mine application, **MTG offered its MTG Systems TwinMet equipment to equip an Hitachi* EX5500 hydraulic excavator bucket with a Cast Lip and the whole new MTG Systems G.E.T.** They carried out extensive monitoring of the new bucket in order to evaluate the advantages of incorporating the new MTG parts.

RESULTS

After all the changes carried out over the 10 month trial period, the number **of incidents** that could be attributed to the G.E.T. product **was reduced to zero. The simplicity and reliability of the system is proven** against the traditional mechanical systems on the market, which require torching to enable the presence of cutting tools to enable disassembly. **Part change speed is increased;** with the MTG Systems TwinMet parts, a set of teeth can be changed in just 15 minutes (in just one shift change), teeth + intermediate adapters in 30 minutes, **with a full time of 45 minutes for a full bucket-front change** (teeth + intermediate adapters + lip shrouds). Thanks to the reliability and the fast and easy change out, **machine stoppage time is greatly reduced, reducing the cost** associated to machines not being in operation.



The brands identified in this document do not belong to Metalogenia S.A. and this organization refers to them only to identify the destination of its products, without there being any relationship between Metalogenia S.A. and the legitimate owners of any such brands. The review and product performance information included in this document were provided by the client and in no way represent or imply warranty of any kind. The performance of MTG products will vary depending on many conditions, which can not be either controlled or certified by Metalogenia S.A. (machine type and use, installation and assembly procedures, materials and conditions of wear, wear, product misuse).

www.mtg.es

GD-S5TORWMIN-ING