

**SME** COMPETITIVENESS  
SUPPORT  
PROGRAMME

## SAFER & CLEANER EXTRACTION OF DECORATIVE STONES



<b>Loan Amount</b>	€ 342,000
<b>Grant amount</b>	€ 51,300
<b>EU Directives met</b>	Regulation regarding emissionsn air pollution and machinery
<b>Invested in</b>	Volvo large wheel loader L220H
<b>Energy Savings and GHG reduction</b>	64 MWh/y 17 tCO2/y

Implementation Consultants



**Unimarble DOO** is a private company, established in 2003, and its main area of activities is the extraction of decorative stone materials for various applications.

The company invested in a new large wheel loader, a multifunctional machine with a quick coupling, which is used for moving of marble blocks and also for clearing the pit from marble slag.

The new machine has an improved technology, reducing fossil fuel consumption, air pollution and GHG emissions as well as noise during operation. According to the technical specification, the fuel consumption of the new wheel loader is about 40% lower than that of the old wheel loader.

The new wheel loader also has an advanced machine safety system, specifically designed to prevent injuries at the working place. The operator cabin's air inlet is located high up on the machine, where the air is cleanest and a pre-filter is installed that removes dust and particles before the air passes through the main filter and then into the cabin. Because of the ergonomically placed controls, low internal noise levels, vibration protection and ample storage space, workers will be less exposed to noise, heat and vibration impact.

The company received free technical assistance to optimize its investment project and 15% grant cash-back after the successful project verification, funded by the European Union.

With the investment, the company now meets a wide variety of standards including:

- EU Regulation 2016/1628: Requirements relating to gaseous and particulate pollutant emission limits and type-approval for internal combustion engines for non-road mobile machinery
- Directive 2006/42/EC on machinery, and amending Directive 95/16/EC (recast)