

Macawber Installation Case Study: **Calcium Carbonate – Spain**

IN BRIEF

A customer reached out to Macawber Group in need of a solution to convey their calcium carbonate. The material has proven to be difficult to handle in that it has caused high dynamic load during conveying, so pipeline security is critical. We added a sparge air supply to the vessel which was deemed beneficial and necessary for the material to be conveyed. The sparge was utilized to aid a better convey regime and create a smoother flow. We supplied our customer with a 3/4-2 Denseveyor® (Maxflo®), along with custom controls and other ancillary equipment, and since implementing our dense phase pneumatic conveying system, our customer has seen a large improvement in productivity and efficiency.

MATERIAL CHARACTERISTICS

Material	Calcium Carbonate
Bulk Density	31-56 lbs./ft ³
Temperature	104°F
Moisture Content	0.2%
Condition	Free Flowing

SYSTEM OBJECTIVES

1. Decrease downtime and maintenance
2. Generate savings
3. Convey material efficiently

SYSTEM PERFORMANCE

Transfer Capacity	8.8 T/hr.
Conveying Distance	672 ft.
Reception Points	1

IMPROVEMENTS ACHIEVED

1. Downtime and maintenance decreased
2. Savings generated
3. Material conveyed efficiently

