

Mining Engineering & Services



Introduction

The Buttimer Group has over thirty years experience of working in the Mining Industry. Throughout this time the group has been involved in work on new plant installations, upgrades, refurbishment, maintenance of existing plant and also the decommissioning & dismantling of expired plant. The Group has been involved in most facets of the mining industry: mechanical handling, storage & stockpiling, water treatment, waste handling (liquid & dry etc.). We are confident that we have the necessary experience to design and project-manage engineering solutions for the handling & intake of raw materials through to the processing and handling of both finished & waste product.

Services Offered

- ◆ Engineering
- ◆ Equipment Design & Supply
- ◆ Equipment Fabrication
- ◆ Installation and Maintenance
- ◆ Project Management

Engineering

As a result of our experience in the industry we have a highly skilled and mobile workforce in-house. Within our engineering division we can offer the following services...

- ◆ Feasibility Studies—Civil & Mechanical
- ◆ Concept & Detailed Planning Design
- ◆ Equipment Specifications
- ◆ Procurement of Equipment
- ◆ Detailed Project Planning
- ◆ Commissioning and Start-Up Planning

Our expertise is centred around the mechanical handling of the mined ore and the products and by-products of the milling processes—including storage and stockpiling.



Equipment Design and Supply

Within our equipment division we can offer a wide range of equipment to the mining industry. This includes detailed equipment design and/or manufacture. Within the industry 'standard' equipment is not the norm and so each client will have their own needs and problems to resolve. Whilst we offer a range of standard equipment we also work closely with clients to offer one-off custom equipment to solve their problems. Examples of equipment we design and supply include...

- ◆ Intake power grids/scalping
- ◆ Standard intake equipment
- ◆ Conveyors and elevators
- ◆ Stackers
- ◆ Radial telescopic stackers
- ◆ Weighing systems
- ◆ Bulk outloading
- ◆ Aspiration systems
- ◆ Non-standard custom equipment

Equipment Fabrication

Individual items of equipment or complete turnkey process systems can be designed and built at our engineering office and workshop in Cahir, Co. Tipperary, Ireland. Equipment can be custom designed and built by our in-house engineering team or fabricated to customer's detailed specification. Our workshop facility is fully equipped with all the necessary fabrication and welding equipment, overhead cranes and painting facilities for the manufacture of...

- ◆ Silos
- ◆ Hoppers
- ◆ Storage tanks
- ◆ Conveyors
- ◆ Pipework / Pipe Bridges
- ◆ Platforms / Walkways





Installation and Maintenance

Our team of fitters and welders are experienced in on-site installation and maintenance across all aspects of mining and quarry operations. Together with the back up of our Engineering design office and extensive equipment manufacturing facilities this enables us to provide a 'Total Engineering Solution' to our customers.

- ◆ Material Handling Systems.
- ◆ Plant Installation
- ◆ Equipment Maintenance
- ◆ Pipe Bridge / Pipelines
- ◆ Steel Support Structures

Project Management

Our experienced team of project managers and site engineers are qualified to manage projects ranging from a single item of plant up to complex turnkey installations. We work on projects with engineering consulting firms to contribute our unique experience and expertise to mechanical handling projects.



Example Projects

Lisheen Mines Ireland—A Vedanta Company (Lead and Zinc Mining)

Buttimer completed all above-ground handling equipment from extracted ore through to the milling process.

The project included the design, fabrication and installation of...

- ◆ Complete handling and distribution system
- ◆ Complete backfill system
- ◆ Intake and sampling system for external ore
- ◆ Ongoing additions and maintenance

CRH Europe (Open and Submerged Mining Facility)

Process and equipment design for an open mine/quarry. This consisted of both intake and supply to initial screening of both dry and submerged material—transport and stacking of material to live stockpile and subsequent transport to final screening—stacking of final product and waste material.

- ◆ Engineering planning, site layout and project management
- ◆ Supply of complete handling equipment and support structure
- ◆ Construction of plant and supervision of subcontractors
- ◆ Quality and safety planning and supervision
- ◆ Commissioning and start-up
- ◆ Project documentation

Our Background

E. Buttimer & Co. was founded in Tipperary, Ireland, in 1978, by Mr Edward Buttimer. The company specialises in the mechanical handling of bulk materials and began by providing equipment for handling bulk dairy and grain products, to the Irish agri-industry market. In the years since, Buttimer has developed world class capabilities in the design and supply of mechanical handling equipment, drawing on a team of engineers with expertise in intake, conveying, storage and processing of a wide array of dry bulk materials, including grains, coal, ores, biomass and powders.

Buttimer has been providing engineering services, equipment supply, installation and complete

turnkey solutions to agri-industry, mining, power generation, construction and pharmaceutical sectors in Ireland for decades. The company has also diversified into areas such as bridge building, pressure vessels and bespoke design, increasing the range of capabilities and experience within the in-house design team. The company adheres to the highest standards of practice in engineering and management, is certified ISO9001:2008, and has an impeccable health and safety record. In 2005, Buttimer opened a subsidiary in Warsaw, Poland, and has also brought its experience to an increasing range of clients, including companies in the Middle East, Africa and Asia.



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