**Bridge Gap Engineering** is an agile and highly responsive engineering company lead by a uniquely diverse team of trusted cement and minerals industry experts. Based on *service, solutions and relationships*, Bridge Gap Engineering is a learning organization focused on knowing our customers and their changing needs in the 21st Century. Our experience spans decades and our knowledge spans multiple industries encompassing plant design, process design, and plant maintenance and operations.

- **BGE clients**

  Whether it be domestic or international, Bridge Gap Engineering offers engineering services for producers, contractors and equipment suppliers alike – including engineering services for original equipment manufacturers (OEMs). While primarily serving the Cement and Minerals Industries, BGE also supplies and serves the Lime, Paper and Power Industries. Bridge Gap Engineering is comprised of experts in process design, including emissions controls for new greenfield sites as well as the compliance and modernization of brownfield sites.

- **How BGE is different**

  With today’s fast paced environment and *need it yesterday* attitude, time is nearly priceless and how quickly we can produce the optimal solution for the customer is almost as important as the solution itself. Our team includes individuals who have worked for cement producers, equipment suppliers, consulting engineers, and construction contractors. This range of expertise and authentic communication built from relationships of trust allows Bridge Gap Engineering to ensure high-value solutions for its clients that effectively integrate the considerations of suppliers and end users alike, ensuring a predictable and successful project delivery.

Bridge Gap Engineering’s ultimate goal is to build relationships of trust with its clients and industry associates through open communication and the application of appropriate expertise to deliver client focused solutions, achieving greater production levels, at lower costs, with less environmental impact.
Expertise and Experience of BGE

Studies & Complete Plant Design
(Brownfield through Greenfield)
- Feasibility
- Cost Opinion
- Peer Review
- Expert Witness
- Alternative Fuels
- Equipment Proposal Solicitation
- Construction Proposal Solicitation

Engineered Aftermarket
- Custom Engineered Equipment Design & Supply
  *Equipment includes, but is not limited to:
  - Kilns
  - Dryers
  - Mills
  - Preheater Cyclones
  - Calculiners
- Retrofit and Modification/Upgrade Design
  - Process Modifications
  - Wet to Dry Conversions
- Emissions Upgrades
  - Consultancy Engineering
  - Emissions Testing
  - Evaluation and Selection of Abatement Systems
- Parts supply
  - Kiln Shell
  - Kiln Tyres
  - Kiln Rollers/shafts
  - Mill Shell
  - Mill Heads
  - Cooler Components
  - Open Gearing

Process, Commissioning and Optimization
- Mass Flow/Heat Balance
- Equipment Sizing
- Audits
- Start-Up and Commissioning Services
- Emissions Reductions
- Energy Audits
- Equipment Assessment
- Equipment Optimizations
- Operations Optimization
- Troubleshooting

Detail Engineering
- Civil/Structural Engineering
- Mechanical/Piping Engineering
- Electrical/Instrumentation Engineering
- Low Cost Engineering Sourcing Options

Training
- Process
- Operations
- Maintenance
- Reliability and Maintenance Planning

Construction
- Estimating
- Scheduling
- Procurement and Supply Chain Management
- Project Management
- Erection Supervision

Bridge Gap Engineering has cooperation agreements with Fives Pillard, Motofrenos SA and Wear Solutions on the equipment or products as shown below.

Fives Pillard
- NOVAFLAM® Kiln Burner
- Selective Non Catalytic Reduction of NOX
- Alternative Fuels in Cement Operations
- Calciner Burners for the Cement Industry
- Hot Gas Generators

Wear Solutions
- Reno Refractories
- RefraAmerica Brick Solutions
- RAI Products – Refractory Anchors (high temperature alloy fasteners)
- Matrix Solutions – Industrial Coatings

Motofrenos SA
- Seal Plus - Feed and discharge rotary kiln seals
U.S. Headquarters

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