

# 2018 ACHIEVEMENTS



Acquired and integrated Sivomatic, significantly strengthening our global pet care platform and driving opportunities to expand our reach



Double digit growth in multiple product lines in Asia and other regions, specifically in India, Turkey, Indonesia and Thailand



Metalcasting penetration strategy driven by greensand bond technology progressed with sales in Asia up 7% over last year



Commissioned new Bleaching Earth Facility in Turkey, which will expand production capacity, manufacturing capabilities and footprint in emerging region



Secured contract for 165,000-ton satellite PCC plant in China in 2018, increasing our new paper PCC capacity by over 400,000 tons in Asia



Advanced three Specialty PCC production expansions in the U.S. and U.K. that will allow us to keep pace with growing customer demand for new products



Commercialized 35 value-added products with the potential to deliver over \$100M in revenue



Refractories segment delivered record operating income of \$42.3M, driven by commercialization of newly developed Hybrid products in North America and global reformulation of lower cost products



Introduced new waste water and environmental remediation technologies, including FLUORO-SORB® adsorbent which provides an economical process for removing fluorinated compounds from contaminated water



Maintained strong balance sheet with \$80 million debt repayment and net leverage ratio remaining at 2.2X EBITDA

**\$1.8B**

Record sales in 2018, increased 8% YOY

**\$204M**

Strong operating cash flow

**0.16**

Lowest Lost Workday Injury Rate in MTI history

**\$4.84**

Ninth consecutive year of record earnings per share, up 5% YOY

**6%**

Productivity improvement, ninth consecutive year of 5% or higher