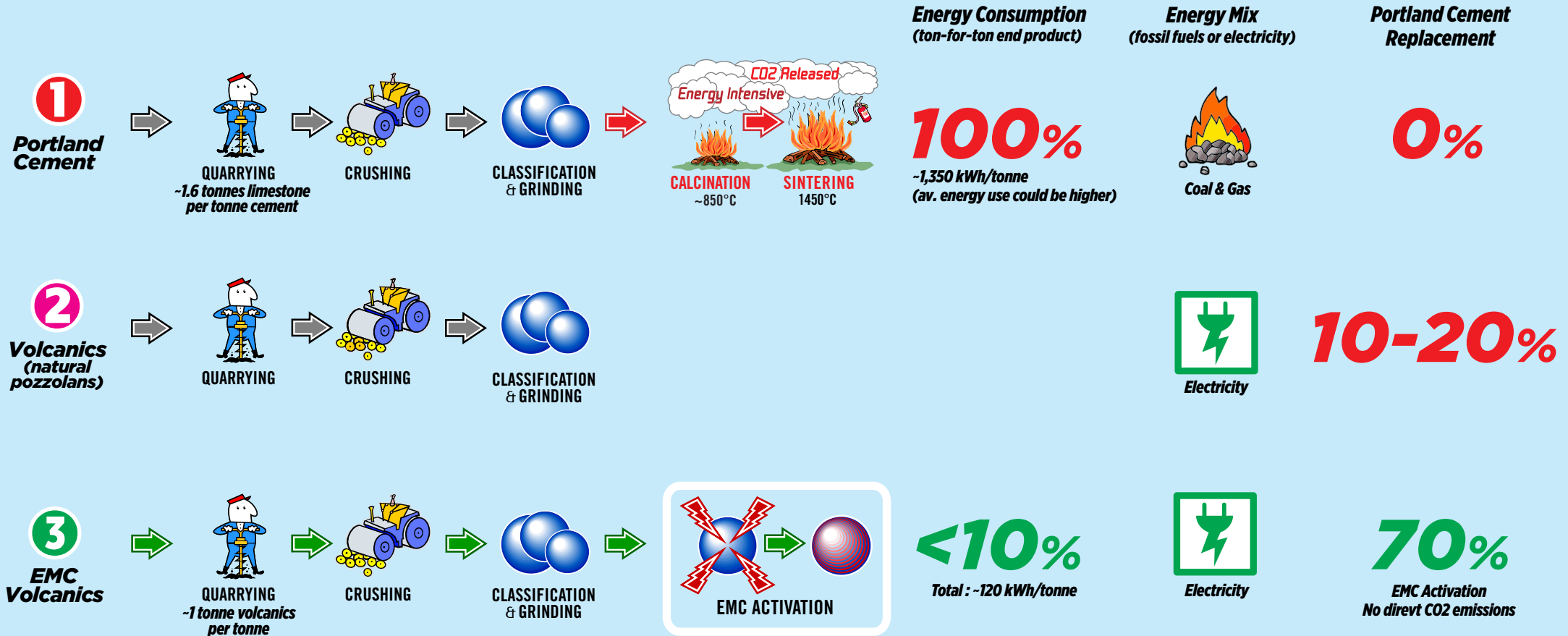


Comparing processes, energy needs and carbon footprints of Portland cement and volcanics



This diagram depicts (i) the unique process advantages of EMC Technology which generate significant processing-cost reductions along with about a 90% reduction in capital cost; and (ii) the much superior contributions towards reducing the carbon footprint. Concrete's carbon footprint can only be materially reduced by substituting the clinker in Portland cement with volcanic materials. For example, it serves to confirm EMC Technology could have eliminated up to 70% of the more than 2.5 billion tonnes of CO₂ generated by cement production in 2019.

This diagram serves to underscore how the projected doubling of cement-demand over the next 35 years could be met, while actually reducing overall emissions in 1990 terms.



EMC Cement®