

The 2022 Report on Non-Metallic Mineral Mining and Quarrying: World Market Segmentation by City

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Abstracts

This report was created for global strategic planners who cannot be content with traditional methods of segmenting world markets. With the advent of a 'borderless world', cities become a more important criteria in prioritizing markets, as opposed to regions, continents, or countries. This report covers the top 2,000 cities in over 200 countries. It does so by reporting the estimated market size (in terms of latent demand) for each major city of the world. It then ranks these cities and reports them in terms of their size as a percent of the country where they are located, their geographic region (e.g. Africa, Asia, Europe, Middle East, North America, Latin America), and the total world market.

This study covers non-metallic mineral mining and quarrying as defined by the North American Industrial Classification system or NAICS (pronounced 'nakes').

The NAICS code for non-metallic mineral mining and quarrying is 2123. It is for this definition that aggregate latent demand estimates are derived. Non-metallic mineral mining and quarrying is specifically defined as follows:

2123 This industry group comprises establishments primarily engaged in developing mine sites, or in mining or quarrying nonmetallic minerals (except fuels). Also included are certain well and brine operations, and preparation plants primarily engaged in beneficiating (e.g., crushing, grinding, washing, and concentrating) nonmetallic minerals.

Beneficiation is the process whereby the extracted material is reduced to particles which can be separated into mineral and waste, the former suitable for further processing or direct use. The operations that take place in beneficiation are primarily mechanical, such as grinding, washing, magnetic separation, and centrifugal separation. In contrast,



manufacturing operations primarily use chemical and electrochemical processes, such as electrolysis and distillation. However, some treatments, such as heat treatments, take place in both the beneficiation and the manufacturing (i.e., smelting/refining) stages. The range of preparation activities varies by mineral and the purity of any given ore deposit. While some minerals, such as petroleum and natural gas, require little or no preparation, others are washed and screened, while yet others, such as gold and silver, can be transformed into bullion before leaving the mine site.

21231 This industry comprises (1) establishments primarily engaged in developing the mine site, mining or quarrying dimension stone (i.e., rough blocks and/or slabs of stone), or mining and quarrying crushed and broken stone and/or (2) preparation plants primarily engaged in beneficiating stone (e.g., crushing, grinding, washing, screening, pulverizing, and sizing).

21232 This industry comprises (1) establishments primarily engaged in developing the mine site and/or mining, quarrying, dredging for sand and gravel, or mining clay, (e.g., china clay, paper clay and slip clay) and (2) preparation plants primarily engaged in beneficiating (e.g., washing, screening, and grinding) sand and gravel, clay, and ceramic and refractory minerals.

21239 This industry comprises establishments primarily engaged in developing the mine site, mining, and/or milling or otherwise beneficiating (i.e., preparing) nonmetallic minerals (except coal, stone, sand, gravel, clay, ceramic, and refractory minerals).

212311 This U.S. industry comprises establishments primarily engaged in developing the mine site and/or mining or quarrying dimension stone (i.e., rough blocks and/or slabs of stone).

212312 This U.S. industry comprises (1) establishments primarily engaged in developing the mine site, mining or quarrying crushed and broken limestone (including related rocks, such as dolomite, cement rock, marl, travertine, and calcareous tufa); and (2) preparation plants primarily engaged in beneficiating limestone (e.g., grinding or pulverizing).

212313 This U.S. industry comprises: (1) establishments primarily engaged in developing the mine site, and/or mining or quarrying crushed and broken granite (including related rocks, such as gneiss, syenite, and diorite); and (2) preparation plants primarily engaged in beneficiating granite (e.g., grinding or pulverizing).



212319 This U.S. industry comprises: (1) establishments primarily engaged in developing the mine site and/or mining or quarrying crushed and broken stone (except limestone and granite); (2) preparation plants primarily engaged in beneficiating (e.g., grinding and pulverizing) stone (except limestone and granite); and (3) establishments primarily engaged in mining or quarrying bituminous limestone and bituminous sandstone.

212321 This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) operating commercial grade (i.e., construction) sand and gravel pits;(2) dredging for commercial grade sand and gravel; and (3) washing, screening, or otherwise preparing commercial grade sand and gravel.

212322 This U.S. industry comprises establishments primarily engaged in one or more of the following: (1) operating industrial grade sand pits; (2) dredging for industrial grade sand; and (3) washing, screening, or otherwise preparing industrial grade sand.



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5.97 LESOTHO 5.98 LIBERIA 5.99 LIBYA **5.100 LIECHTENSTEIN** 5.101 LITHUANIA 5.102 LUXEMBOURG 5.103 MACAU 5.104 MACEDONIA 5.105 MADAGASCAR 5.106 MALAWI 5.107 MALAYSIA 5.108 MALL 5.109 MALTA 5.110 MAURITANIA 5.111 MAURITIUS 5.112 MEXICO 5.113 MICRONESIA 5.114 MOLDOVA 5.115 MONACO 5.116 MONGOLIA 5.117 MONTENEGRO 5.118 MOROCCO 5.119 MOZAMBIQUE **5.120 MYANMAR 5.121 NAMIBIA** 5.122 NAURU 5.123 NEPAL **5.124 NEW CALEDONIA** 5.125 NEW ZEALAND 5.126 NICARAGUA 5.127 NIGER **5.128 NIGERIA** 5.129 NIUE 5.130 NORFOLK ISLAND 5.131 NORTH KOREA **5.132 NORWAY** 5.133 OMAN 5.134 PAKISTAN 5.135 PALAU



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