

COBALT-60 MARKET ISSUES & INSIGHTS REPORT

NAC International's annual market analysis report, *Cobalt-60 Market Issues & Insights*, is available now.

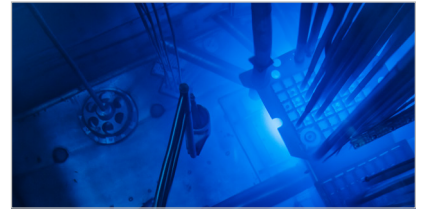
Cobalt-60 is used to sterilize more than 40 percent of the world's single-use medical equipment and other vital items through gamma irradiation, a process that sterilizes faster and in larger volumes than other techniques. Cobalt-60 gamma irradiation also has applications beyond the medical industry and is used in a wide variety of commercial settings to protect our health and underpin industrial applications in sensing and measurement.

The demand for sterilization and, therefore, Cobalt-60 is growing. This is due to an increasing and aging population that now has greater access to health care, as well as the development of new devices that benefit from the use of Cobalt-60. The healthcare industry has relied on Cobalt-60 for more than 60 years and the technology is available through a global network of well-regulated irradiation facilities.

With demand growing, the need for Cobalt-60 production in nuclear reactors remains critical. Although Cobalt-60 supply volumes have started to increase, meeting demand remains a challenge. In addition, the half-life of Cobalt-60 is only around five years, so long-term storage of supplies is difficult and any significant disruptions in production are problematic. Other challenges include reduced Co-60 supplies, as well as delays or stoppages in the life extension of Cobalt-60 production reactors.

Although alternative technologies to Cobalt-60 sterilization exist, they lack capacity to meet existing demand. Nor is the infrastructure in place to enable the rapid growth needed for these alternatives to meet current or future demand.

The shifts in the market now underway call for difficult decisions to navigate an uncertain future. To better equip market players with the ability to make well-informed decisions, NAC International has performed robust assessments in its long-range forecast of the Cobalt-60 market. NAC's analysis projects the most likely scenario for future demand, together with important insights into the direction of the Cobalt-60 market.



**COBALT-60 ISSUES & INSIGHTS
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Key topics addressed in the report include:

- Market prospects – markets size by geographical area
- Evolution of future needs and volumes by geographical area
- Evolution of prices & volumes for the period 2030-2050
- Main factors affecting prices and market volumes
- Main producers (different customers and suppliers) and their shareholders
- Producers by market segment and geographical area
- Segmentation/concentration of the market by geographical area and producer
- Reactors and producers situation and perspectives
- General comments on producers' financial structure
- Volume of active sources and gross revenue
- Typical production cost structure and margins
- Technology developments - threats
- Environmental and regulatory aspects

Overall, NAC's market analysis provides a solid, up-to-date evaluation tool to support planning and strategy, whether for buyers, existing or new reactor producers, sellers, investors, or users of Cobalt-60 technology.

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