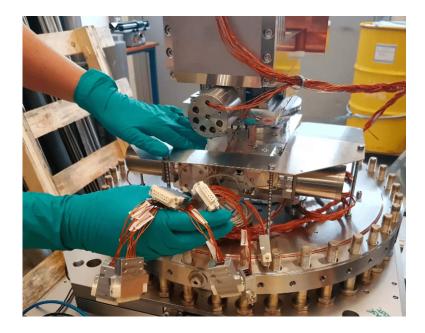


Indus-3 Synchrotron Radiation Facility to Drive High-Tech Development in India

February 21, 2025



The Indus-3 synchrotron radiation facility project at the Raja Ramanna Centre for Advanced Technology (RRCAT) is poised to become a key driver of high-end technology development in India. This cutting-edge research infrastructure will enable advancements across various scientific disciplines and industries.

The Indus-3 facility will provide researchers with access to intense beams of X-rays, allowing them to probe the structure and properties of materials at the atomic and molecular level. This capability is crucial for advancements in fields such as materials science, medicine, energy, and nanotechnology. The facility will support research in areas like drug discovery, advanced materials characterization, and the development of new energy technologies.

The project represents a significant investment in India's scientific infrastructure and reinforces the country's commitment to fostering innovation and technological advancement. By providing researchers with access to world-class facilities, the Indus-3 project is expected to attract top scientific talent and stimulate collaboration between academia and industry. The facility will also play a key role in training the next generation of scientists and engineers, contributing to the growth of India's high-tech sector.