

## **On development of materials and crystal growth in Crytur, spol. s r.o.**

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Crytur is one of the world's leading companies in synthetic crystal manufacturing and processing. Attention is paid to niche applications and client specific projects built on high expertise and close cooperation in research and development. Crytur key products are oxide single crystals grown by Czochralski method and devices containing these materials (e.g. electron microscopy detectors, radiation detectors, X-ray cameras etc.).

This contribution presents Crytur company and introduces current topics in material and technology development of Czochralski grown crystals. Namely, results of developing Czochralski technology for growth of large garnet single crystals and optimized properties of yttrium aluminium perovskite will be discussed.