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Using beamlines to look inside complex Additive Manufactured structures

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Conflux Technology has a mission to pioneer thermal technology. We are a passionate team of Additive Manufacturing scientists, engineers and commercialisation experts. Our goal is to facilitate the rollout of AM through its application in addressing thermal management challenges. The primary technical challenge we face is “managing the meltpool” in order to reduce the variability in the microstructures of the geometries we produce. This requires high resolution imaging of very complex structures that can not be inspected through traditional means. Collaboration with the Australian Synchrotron makes this analysis possible and influences the development direction of Conflux specifically and will impact AM more broadly.

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