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Connecting Academia with Industry: Some success stories

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The Australian Synchrotron is continually growing its Industrial customer base. The Synchrotron's Industry Group has been providing expert support and facilitation between these Industrial clients and collaborators from more traditional academic and research institutes. These collaborations exist across a diverse and expanding range of fields. This presentation will showcase some of the successful Industrial collaborations incorporating the Synchrotron. Of these, one example is the examination of elemental segregation in heavy rail by X-ray fluorescence microscopy, conducted with the Institute of Rail Technology at Monash University as part of their collaborations with their industrial partners. This study revealed segregation information to a resolution not previously available to the heavy rail industry, and has great potential for future assessments of rail quality and longevity.

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