

**The following are indicative of the types of projects that will be tackled.**

Have a physical science focus – eg use chemistry, physics, mathematics theory

1. A company is looking to investigate replacing an old piece of machinery with a newer technology (or introducing new technology eg smart packaging). The group could undertake a feasibility study to investigate the options available, the cost to the firm and investigate if there will be long term cost saving from implementing the new technology, increases in productivity
2. A company has a production issue eg a piece of equipment is not working optimally. The team could investigate the reasons for this and propose solutions to ensure maximum utilisation.
3. Identify ways to reduce/recycle waste (if it requires some chemistry/ physics theory) eg Spent pot lining example (potentially utilising analytical equipment at the university/tafe that is not available to industry)
4. Any project which involves advanced manufacturing processes.
5. Developing an in-house training project for a new piece of equipment
6. Teachers/academics developing a unit incorporating learning's within industry to implement back in the institution. – less direct benefit for industry