



Bringing Value to Collaborative Innovation

SPARC's Role in the Innovation Ecosystem

Innovation relies on generating novel and creative ideas that are given the time, effort and opportunity to lead to new solutions that create value. The value creation aspect is the key component to innovation, without it, all that remains is just a fundamental idea - a research thought bubble that lacks the final form or pathway to a commercialisable product.

SPARC SNAPSHOT!

SPARC discusses the ecosystem of research with the Research Strategies Australia

Collaborations are at the heart of many of our projects

Horizon Europe is now open to Australian entities and SPARC is looking to collaborate for it. Talk to us sparc@harrison.com.au

Collaboration and knowledge sharing are inherently built into this definition. Solutions, in the form of new products, need customers with unique problems to solve. Novel and creative ideas need experts to develop, test, and expand these opportunities into form and product design.

At SPARC, we rely heavily on knowledge generation and collaborations to address the entire innovation value stream. We know that innovative, breakthrough technologies demand as many creative minds and experts as possible to address the problems. Many of our projects draw on the customer feedback and market analysis from our sibling companies, [A S Harrison & Co](#) and [Harrison Manufacturing Company](#). Through them, we have links to downstream customers across our six focus areas, plus decades of knowledge in chemical manufacturing scale-up, quality control and reliability. Our contribution to the value chain is our ability to break the mould, to approach the solutions in new and profound ways, delivering truly novel solutions rather than minor, iterative changes, to position us, and the Harrison Group, ahead of the competition.



Dr. Anthony Granville on Research Strategy Australia's Podcast

On the 7th episode of Inside Research Strategy podcast, our Innovation Manager, Dr. Anthony Granville, shared his thoughts around "The Blueprint for a Research Utopia."

His take is simple: stop negotiating ownership before anyone knows what the work is worth. Share the upside instead. Structure the deal around royalties instead of gatekeeping, with adjunct roles, honours projects, and embedded research links, so trust is already there by the time a bigger conversation happens.

Watch the full video [here](#)



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“When people come with a bigger vision rather than little projects - stakeholders lean into that.”

Willo Boniface

Senior Consultant at [Research Strategies Australia](#)

Many of our projects rely on capabilities that extend beyond SPARC and the Harrison Group. We strive to forge new relationships and work with experts across industry and academia, effectively bridging the gap between fundamental research and commercialisable solutions. This bridge runs both ways - industrial problems often require fundamental research to effectively identify and evaluate the underlying issues before a breakthrough is possible. This knowledge exchange between industry and academia is what guarantees the flow of research to commercialisation and keep research project development aligned with industrial directions.

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We have collaborations with academic partners which exemplify this aspect - merging the capabilities and expertise of both organisations to develop novel technologies.



Project Eagle

Our lithium selective frother technology - is being done with our partners at [Western Australia School of Mines \(WASM\)](#). Their expertise in mineral flotation processing and close interactions with the miners in Western Australia has facilitated the chemical development and validation of our unique chemical approaches to the problem - improving the lithium extraction efficacy to reduce environmental impacts of the overall mining process.

Project Mjolnir

The development of novel chemicals for lithium battery systems - our growing collaboration with [Adelaide University Future Industries Institute](#) taps into their expertise in battery systems and testing capabilities. We have identified issues in battery failure modes that SPARC and the Harrison Group can potentially solve through our chemical manufacturing and material interactions knowledge. Together, we are sharing and evaluating these systems in early proof-of-concept testing to expand the project into the future.



Project Phoenix

We don't just engage with academic collaborators. We've also partnered with [Allozymes](#), based in Singapore, bringing in synthetic biology expertise to enable novel applications in lubricant development. This partnership has fast-tracked our research and drive us closer to pilot plant scale up, as our initial testing has validated the business propositions and securing us grants in both countries to drive Project Phoenix into the next stages of development.

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We believe we have more to offer. With Australia to participate in the [Horizon Europe](#) research funding, our ability to address the entire innovation value chain could be of interest to collaborators across the EU. We're eager to engage with university and industry partners not only to bring our projects to commercialisation, but also help commercialise theirs too.

Because bridging the gap for our projects also means bridging the gaps for yours as well.

"The best way to have a good idea is to have a lot of ideas - and then share them"

Linus Pauling
Chemical Engineer, Educator and Peace Activist

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FUN FACT

While glass can break and shatter like a solid, it is actually defined as an amorphous solid. Glass doesn't have a repeating crystal lattice structure, such as with table salt, and resembles more of a quenched liquid structure.

However, the molecules cannot flow, unless heated to its amorphous state - when a glassblower shapes the solid glass into structures. It's why they cut the molten glass, because it's still a solid, rubbery material.



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Stay tuned for exciting updates on our commercialisation journey by subscribing to our quarterly newsletter "The Creative SPARC". At Harrison SPARC, we're committed to driving innovation, and we want you to be part of the journey. By subscribing, you'll get insights into our latest projects, developments, and milestones as we work towards bringing our innovations to life. Don't miss out, stay informed as we make groundbreaking strides in commercialising our vision.

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