

# Specialists in nuclear engineering and nuclear materials and their application to protection against nuclear and radiological threats.

## Competitive advantage

As Australia's leading research group in nuclear engineering, we offer vital expertise to government and industry sectors, including:

- · Radiation-hard materials
- Radiation safety response
- · Radiation impact modelling
- Uranium metallurgy and uranium chemistry
- · Virtual reality, human-machine interfaces and remote handling

#### **Impact**

• Safer materials and systems for protection against radiation threats

# Successful applications

- The highest possible melting-point refractory high-entropy alloy (CrMoVW), containing chromium for oxidation protection
- Tungsten-vanadium carbide alloys for hard facing, Broco/Rankin Vanotung™
- Nuclear engineering of components and systems in the OPAL reactor

# Capabilities and facilities

- UNSW radioactive material research facilities
- Discretionary access to Australian nuclear infrastructure
- Experience in accessing international facilities, with demonstrated outcomes

## Our partners

- Westinghouse Electric
- ANSTO
- Broco/Rankin

## More Information

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