



Guardian: putting safety first

Next generation technologies focused on worker safety and adaptability

In response to the needs of industry, CSIRO is developing a suite of lightweight and assistive solutions. Coined Guardian technologies, they will be designed to enhance worker safety and increase productivity.

The Guardian suite of technologies brings together telepresence, tracking and assistive technologies to enhance worker skills, strength and perception. They will be low cost, easy to use and support mass customisation – ideal for small runs of multiple types of products.

ANGEL

Guardian Angel

- Monitors environment
- Tracks people and assets
- Make work safer for humans

HELPER

Guardian Helper

- Provides physical assistance
- Robotic co-workers
- Works with humans

MENTOR

Guardian Mentor

- Worker augmentation
- Provides skills and training
- Make work easier for human

WORKER

Guardian Worker

- Provides remote assistance
- Tele-operated robotics
- Work for humans