

World-class African research and development organisation

THE CHALLENGE?

The need to generate additional revenue through the use of an agile manufacturing cell that was easily interchangeable to the parts/products required on short demand and in on-demand production numbers



Additional revenue stream enabled for the CSIR - through a revolutionary, world-class, agile manufacturing cell

RESULTS

- ✓ An easily adjustable work cell, comprised of several standalone stations;
- ✓ Easy integration and addition of new part assemblies;
- ✓ Intuitive guidance systems integrated with pick-to-light linbin systems, bolting tools, digital verniers and part placement;
- ✓ Built in failsafes to ensure that new parts are correctly assembled.

HOW DID WE DO THIS?

- By implementing ODIN Workstation throughout the work cell stations;
- Advanced vision systems with integrated machine learning capabilities in order to enable virtual devices.

OTHER BENEFITS?

- The incorporation of advanced vision systems that enable the addition of virtual devices, such as virtual process confirmation push-buttons;
- Easy to add, update and change existing product assembly processes;
- Drag and drop assembly process sequence improvements;
- The agile work cell can be easily moved and repositioned wherever its use would be more practical;
- The work cell, with integrated software allows for immediate process improvements and aligns with continuous improvement best practices.

*Click **HERE** to find out more about ODIN Workstation*