

## The Technology

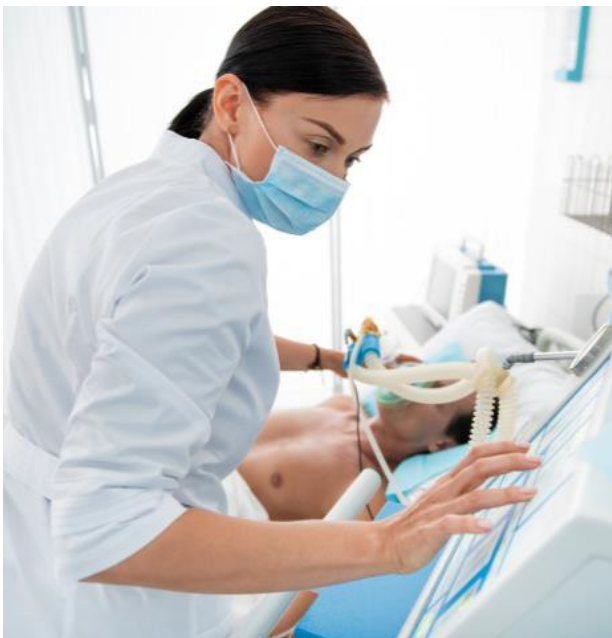
We have developed a universal, non-invasive remote condition monitoring system for ventilators.

It will allow an already stretched health system, with limited human resources and a potential heterogeneous/ multi-brand fleet of ventilators, the ability to monitor their working (and the patients' respiratory function) remotely.

This will allow fewer intensivists to monitor more patients and still provide proper care levels.

The non-invasive nature of our system makes it applicable to all makes and models of ventilators (i.e. brand agnostic plug and play), requiring no modification to existing equipment.

Presenting ventilation data of a heterogeneous fleet of ventilators in a universal format further reduces the requirement of staff trained to interpret the output of a specific ventilator.



## Technology benefits

Cost effective, non-invasive, can manage heterogeneous fleets, automatic parameter detection, intelligent alarming.

## Project status

Currently seeking licensees or purchasers for the technology

## Market Opportunity

The ability to remote monitor patients unlocks significant opportunities and value in ICUs during pandemics, and for the home care market



**Contact:** North-West University: Technology Transfer & Innovation Support Office  
**Hannes Malan** +27 (0)82 412 4930  
[Hannes.Malan@nwu.ac.za](mailto:Hannes.Malan@nwu.ac.za)  
**Dr Mesuli Mbanjwa** +27 (0)18 299 4955  
[Mesuli.Mbanjwa@nwu.ac.za](mailto:Mesuli.Mbanjwa@nwu.ac.za)