

We use technology for good.

We use it to innovate, improve and empower.

To create better working conditions. To make people safer, healthier and happier.

To save companies time and money. And to help them become more successful.

To do this, we keep researching, designing and developing.

We keep looking for ways to make technology extraordinary;

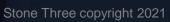
to turn possibility into reality and potential into practical,

to embrace the new industrial revolution, and to move us all forward.

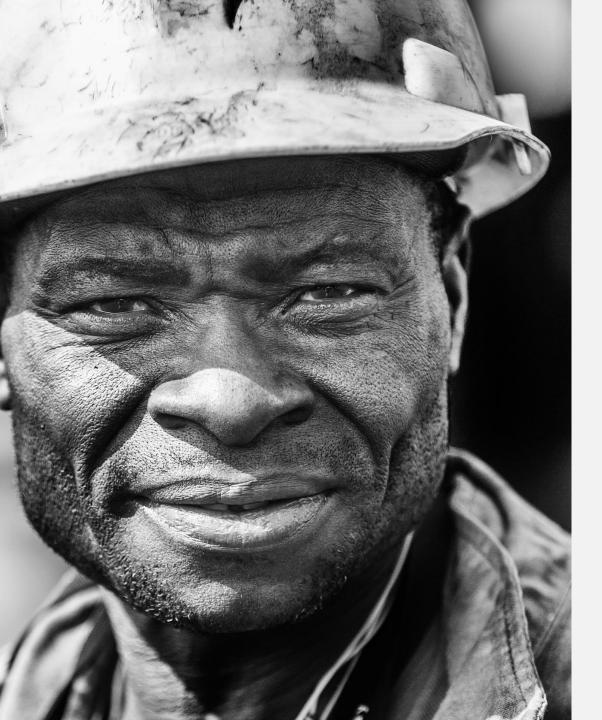
We do this constantly and endlessly, as we have for 20 years.

We believe in the future.

And we create The Future of Work. Now.







Employees, investors and government agencies, as well as public opinion, constantly pressure the mining industry to improve safety, reduce impact and update mines so they are more in sync with our digital age.

Taimur Lodhi

Your challenge We care about

OPERATIONAL PRODUCTIVITY - INSIGHTS

- Mining Capex CAGR 36.8% & Opex CAGR 18.1%
- Recovery and throughput opportunity cost 2% 5%
- Unplanned downtime 2% 5%

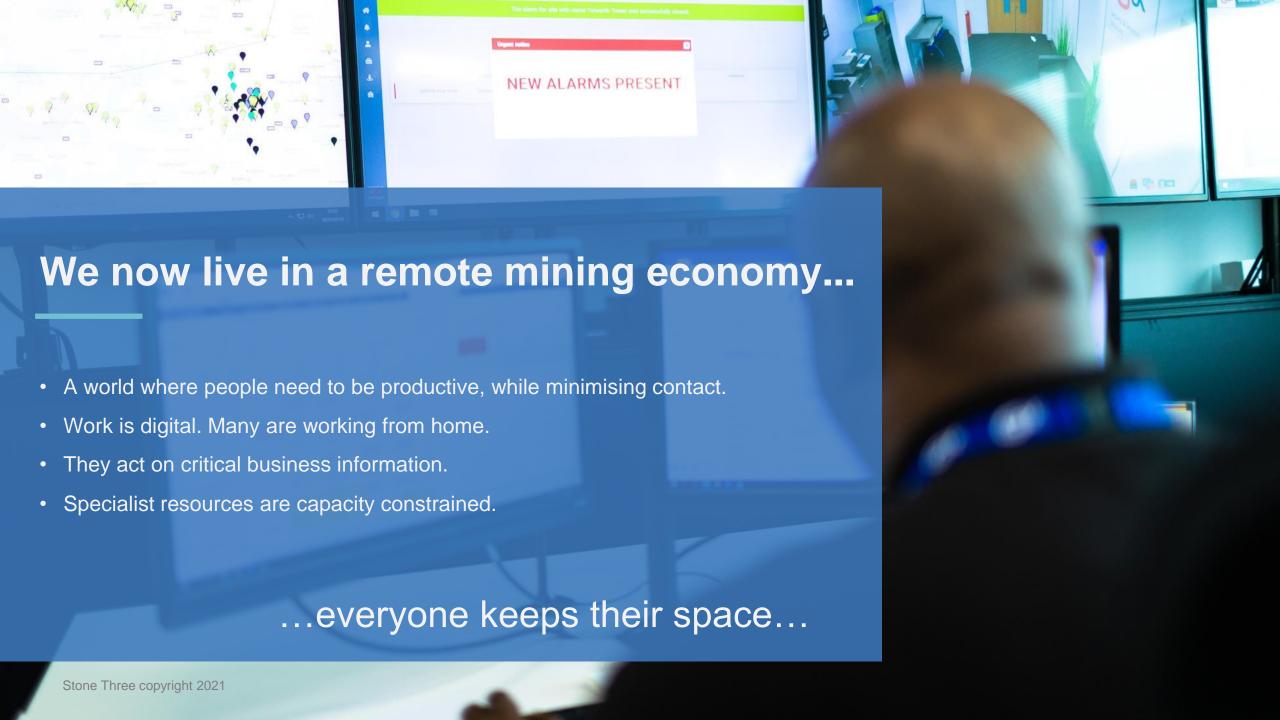


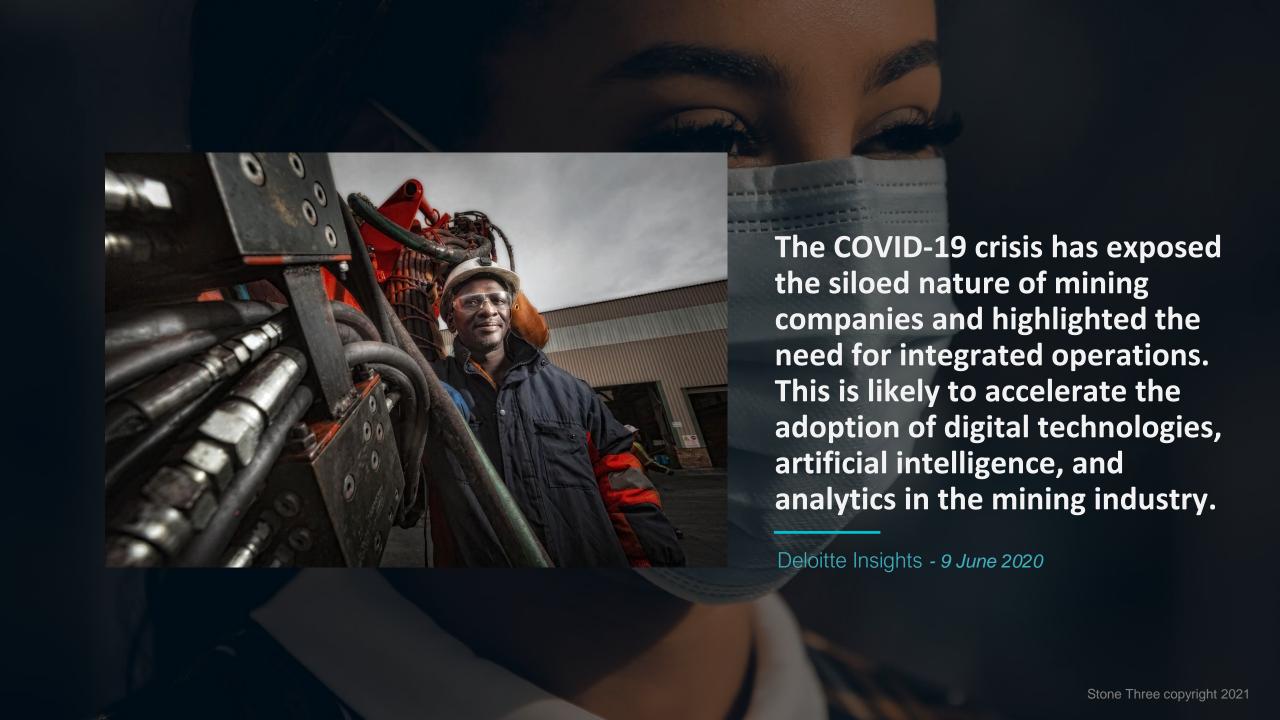


PEOPLE PRODUCTIVITY - INSIGHTS

- 736 000 days/y lost to absenteeism*
- 81 Mining fatalities 2018. Surface: Haulage 37%, Machinery 25%, Falls 14%
- Non-lethal surface LTI: Material handling 36%, Falls 8%*. \$46 400/injury*
- Section 54s stoppages R5bn SA 2015
- 23% of silicosis deaths attributed to mining*
- 70% of miners hearing loss at 60*







Companies now expect:



- Digital Roadmap
- Feature critical futures
- New value unlocked
- Snowball value

Resource Efficient



Digital Skills

- · Accessible skills
- Localised supply chain
- Connectivity

Operationally Efficient



Actionable Insights

- Essential information
- Informed actions
- Digital wisdom

Operationally Effective



Business Integration

- Decision support
- Collective predictive
- · Value chain optimisation

Sustainable

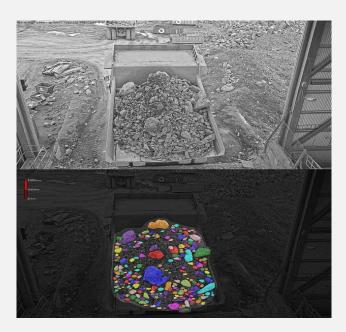


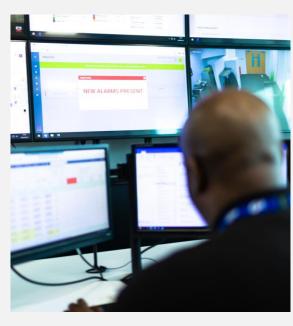




Our solutions:

Innovative products. Intelligent processes.





OPERATIONAL PRODUCTIVITY - SOLUTIONS

- Smart Sensors for PSA, Flotation, Critical Assets
- Packaged Crushing, Grinding & Flotation Remote Monitoring & Diagnostics
- Stabilization and Optimization
- Predictive analytics

PEOPLE PRODUCTIVITY - SOLUTIONS

- Al augmented Video Analytics: Forbidden Zone, PPE, Covid-19, Abnormal Behaviour, Hazardous Environment
- Al augmented Health Risk Assessment with Telehealth. Automated fusion of POC devices, wearable and exposure data





The results: **More gain. Less pain.**



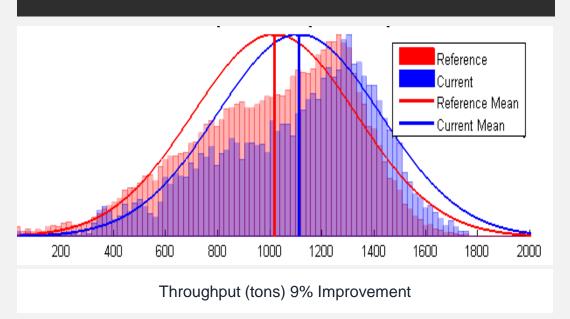


PEOPLE PRODUCTIVITY - RESULTS

- Decreased risk: Average of 1 000 safety notifications per site per month
- 78 000 Tele consults annually in North America & South African primary care
- Population Health platform: 40 000 patients, 70 facilities
- Installations in South Africa, Brazil, North America

OPERATIONAL PRODUCTIVITY - RESULTS

- Copper recovery improvement: 4.5%
- 9% crusher throughput improvement: gap setting control
- R64M annual savings in conveyor belt stops
- R13M annual savings primary crusher oversize prevention
- 30% reduction in cyclone blockage in coal plant
- More than 95% renewal rate





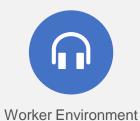
How we do what we do



Power of Al. Expert Judgement.

Stone Three M&D





Monitoring









Production Performance



Regional Integration







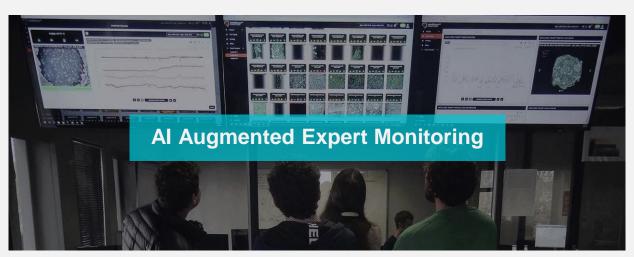




Integrated

Best Practice

Thought Leadership

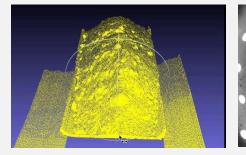


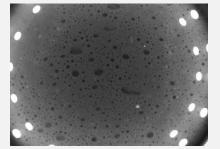
New Value

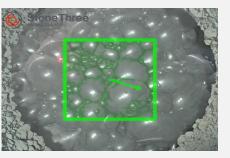
Risk Mitigation



We Measure, Analyse and Act. Smart Sensors and Process M&D









PeopleProcess Engineers with data science

expertise



Technology Monitoring platform and data analytics

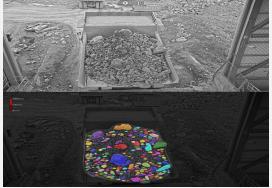


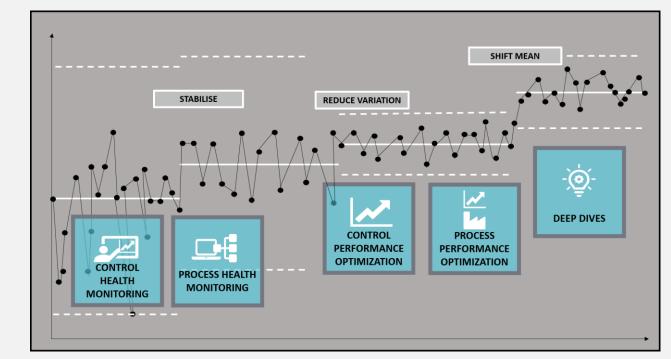
Scheduled checks and online case management





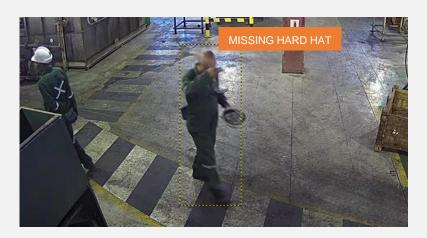






Keeping workers safe.

Detecting missing PPE





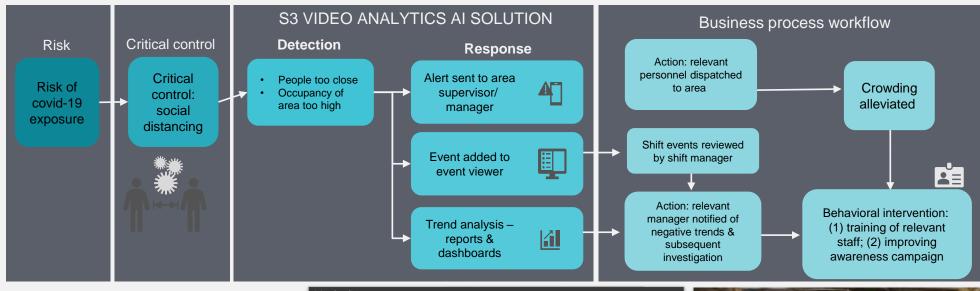


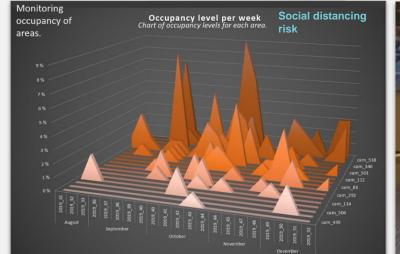


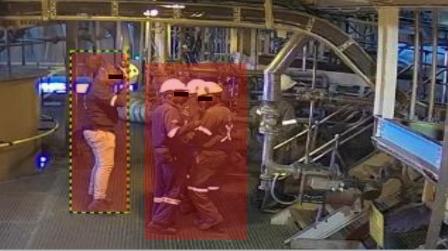


Lowering risk.

Identifying areas of poor social distancing



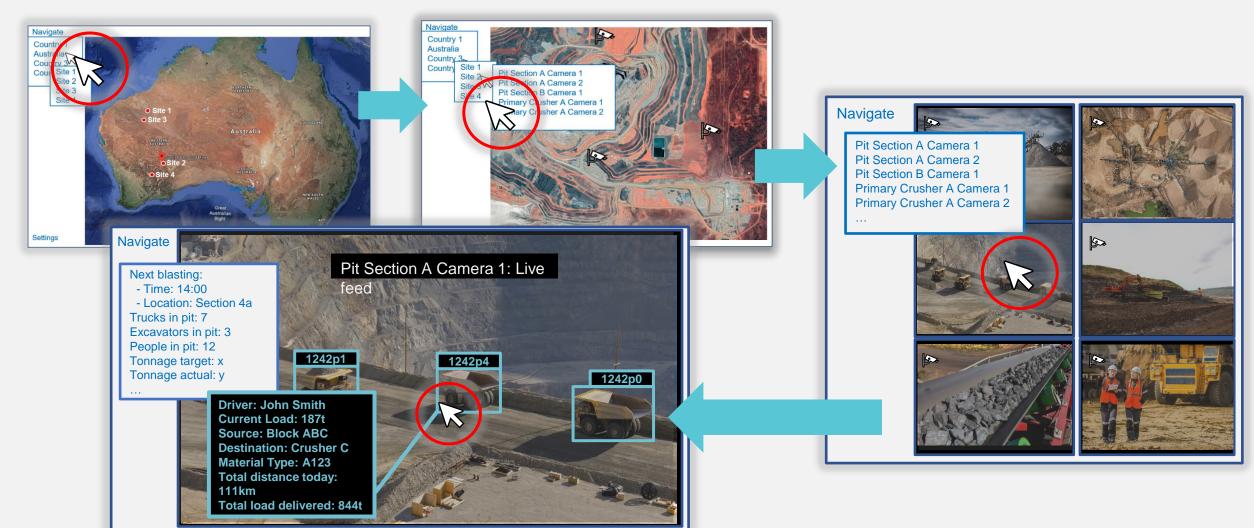






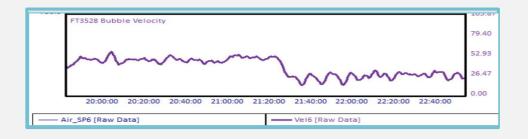
Future ideas become realities.

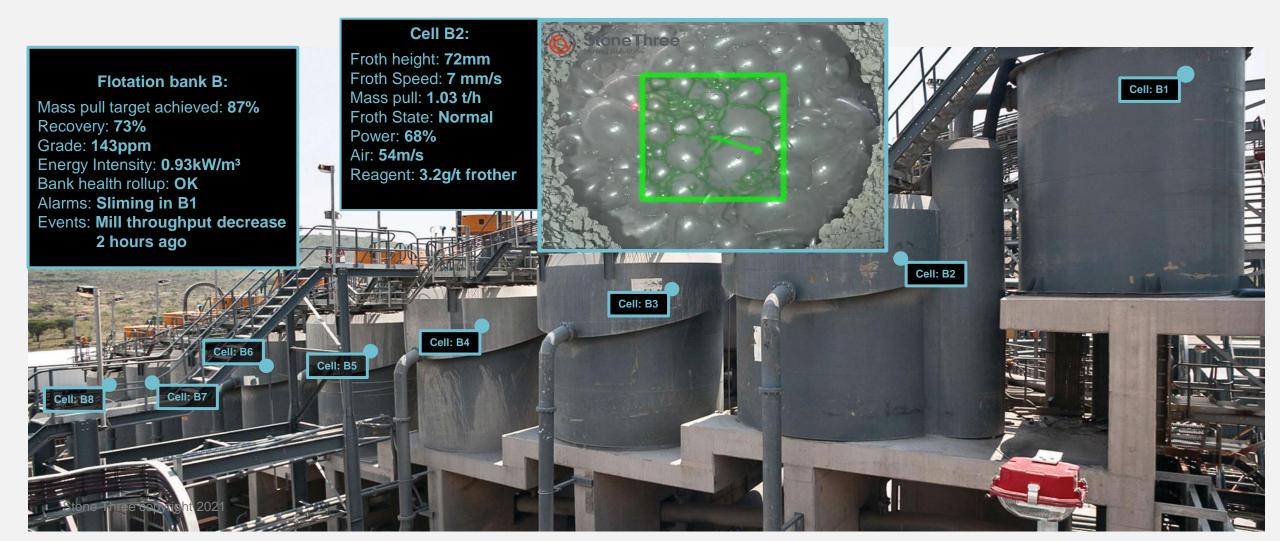
Virtual operations





Saving our clients time and money. **Augmented Productivity**





By augmenting human performance, AI has the potential to markedly improve productivity, efficiency, workflow, accuracy and speed, both for physicians and for patients. What I'm most excited about is using the future to bring back the past: to restore the care in healthcare.

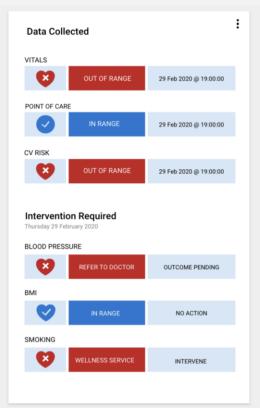
Dr Eric Topol, MD

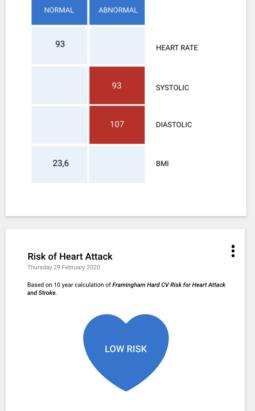


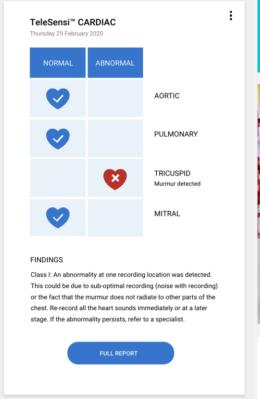
Keeping your people safe. Precision Health & Safety

Vitals

Thursday 29 February 2020

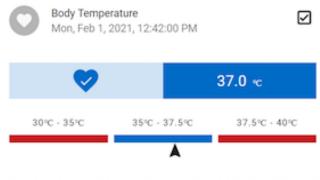






Track and analyse health & safety information of a workforce in real-time, 24/7, enabling state-of-the-art digital risk assessments and management, and the effective administration of virtual care.

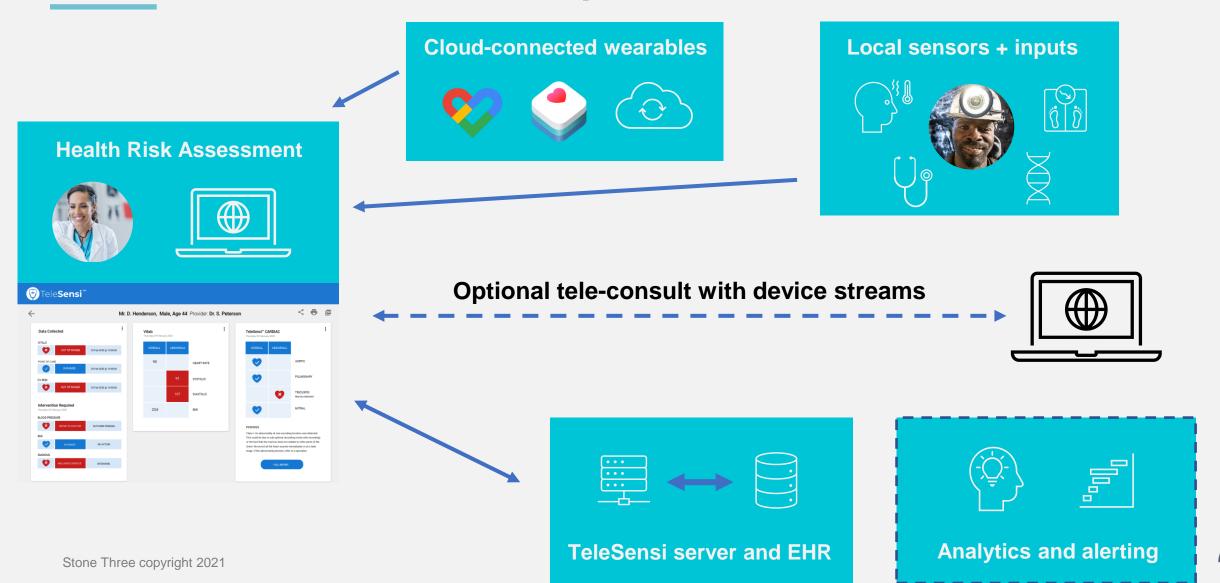






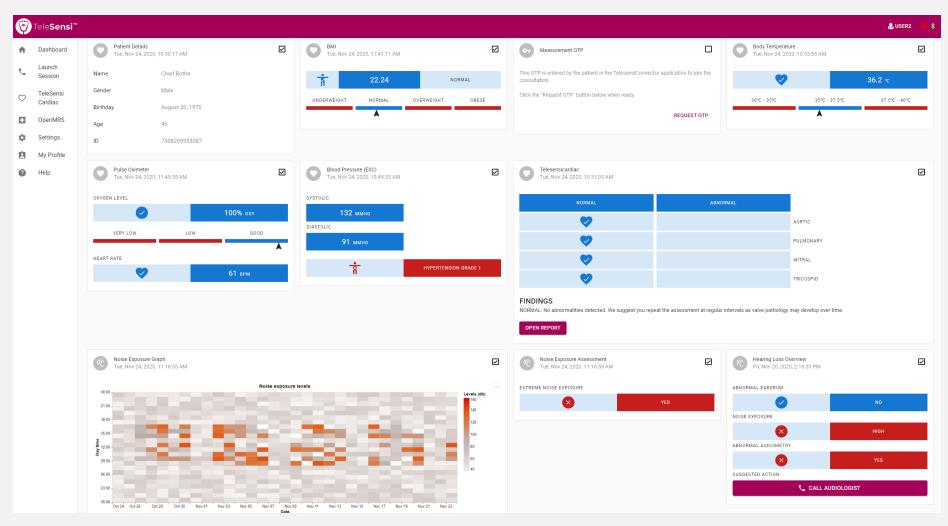
Tech and Expertise combined.

Health Risk Assessment Capabilities



Making smart decisions.

Health & Exposure Integration





Why work with us







- Provides uniquely practical end-to-end measurement, analytics, corrective action, change management and value tracking solutions for operational and people productivity.
- Offers unique and patented industrial solutions.
- Has built an experienced and highly qualified team that includes internationally recognised thought leaders.
- Is the preferred supplier for respected, industry-leading multinationals.
- Achieves higher than 95% renewal rates.

Purpose

We harness technology to solve problems that matter to organisations and their people.

Vision

A world where human endeavour is safer, healthier and more productive.

Mission

To bring technology down to earth, increase operational productivity and improve people's health and safety.

Digitalization Industry Trends 2021



Wearables

- · Health data
- Accident reporting
- Tracking



Video Analytics

- Behaviour & Risk
- Surveying (e.g. UAVs)
- Remote monitoring
- Big data



Data Security & Cloud

- Cyber attacks & Leaks
- Flexibility & Data analytics



Remote Working

- Distributed skills
- Technology & Systems
- People well-being, communication, mental health



Big Data & Al

- Challenges
- Analytics, Patterns
- Decision making
- Prediction



5G

- Private 5G networks
- Remote & Realtime
- Augmented Reality
- · Process control
- Machine vision
- Connected health



It always seems impossible until it's done.

Nelson Mandela



