

THE MX3 HYDRATION TESTING SYSTEM



HEAT STRESS IS SERIOUS

17 heat-related deaths at work between 2000 and 2015

\$6.9 billion a year in productivity loss equivalent to 0.33% to 0.47% of Australia's GDP

1774 workers' compensation claims resulting from working in heat between 2009 and 2018

12% of heat-related claims are for serious conditions requiring **≥5 days off work**

Statistics from Safe Work Australia



HEAT STRESS IS SERIOUS

2,700 cases with days away from work per year due to environmental heat

38 fatalities reported per year at workplaces

43% heat related deaths happened in **Arizona**, Texas & California



*Statistics from Department of Labor's Bureau of Labor Statistics
CDC & EPA*



HYDRATION MATTERS

When working in the heat

- 35% of workers experience heat strain
- 30% of workers experience productivity loss
- 15% of workers develop kidney disease



MX3

DEHYDRATION AFFECTS PRODUCTIVITY

Heat strain & dehydration can lead to serious injuries and impact productivity

- Fatigue
- Physical weakness
- Slow reaction time
- Poor judgement

MX3

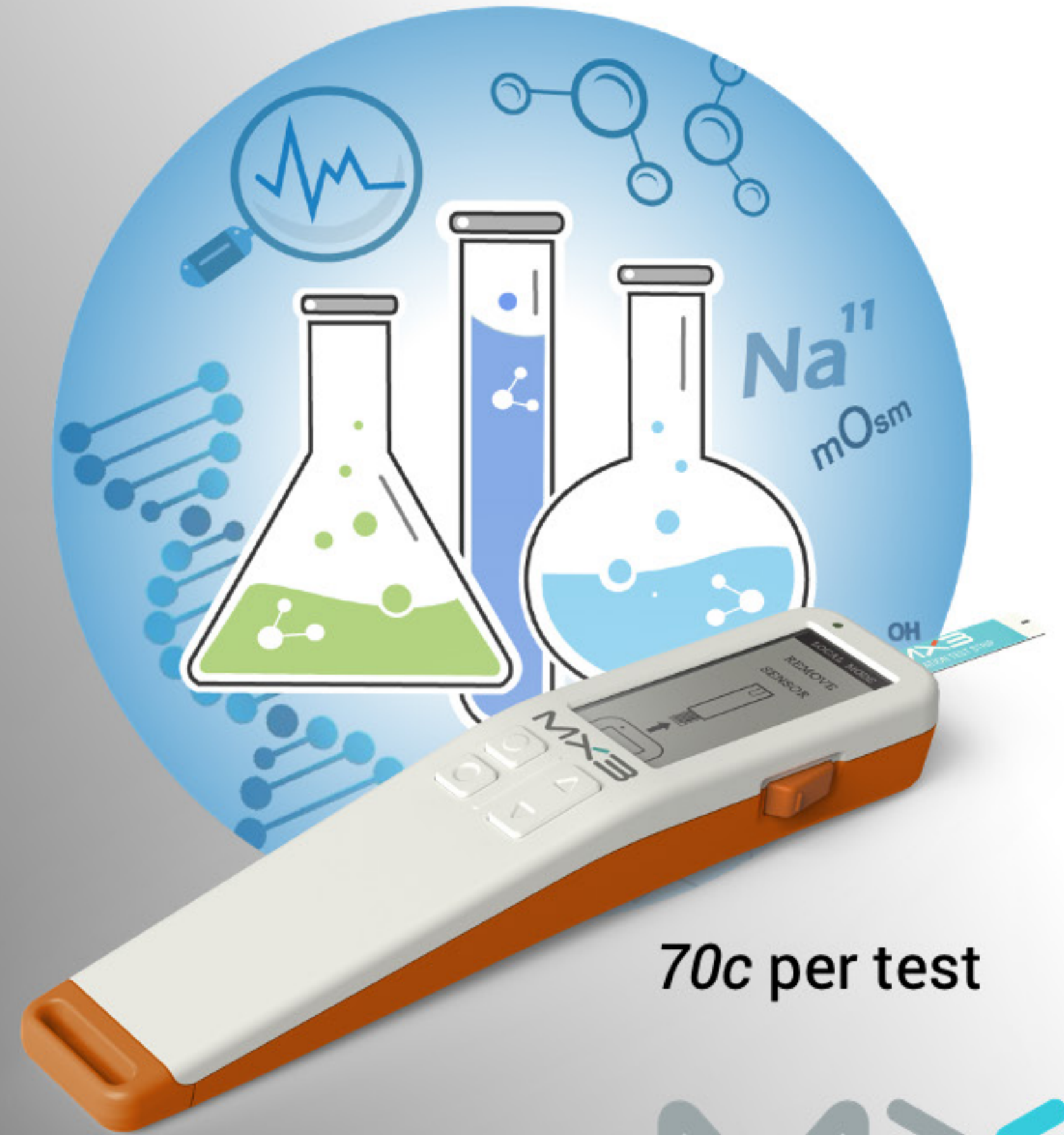
HEAT STRESS IS **EXPENSIVE** FOR COMPANIES

Downtime

- \$3,000 / hour
- \$180,000 / incident

Fine & Penalty

- medical
- legal fees



70c per test

MX3



NATIONAL EMPHASIS PROGRAM

Employers are responsible for protecting workers from heat-related hazards

- Providing water, rest and shade
- Allow acclimatization
- Provide training on prevention
- Monitor for signs & symptoms including **DEHYDRATION**

OSHA Directive CPL 03-00-024, (April 8, 2022)



WORLD'S FIRST ELECTROCHEMICAL SALIVA TEST SYSTEM

	Convenience	Non-Invasiveness	Accuracy
MX3-HTS	★★★★★	★★★★★	★★★★★
Bodyweight	★★★	★★★★	★★★★★
Urine color	★★★	★★	★
USG	★	★★	★★

RELIABLE INDICATOR OF HYDRATION STATUS

Supported by scientific evidence

- As accurate as laboratory test
- Uses only saliva
- Results in seconds



FDA Listed for Hydration
Assessment via Salivary
Osmolarity



PROTECT THE WORKFORCE & MAINTAIN PRODUCTIVITY

Proven hydration monitoring solution across industries to

- Identify dehydration before an incident
- Prevent dehydration induced physical & mental fatigue
- Promote productivity



MX3

5 SIMPLE STEPS



Take Fast Saliva Measurement

HYDRATED ≤ 65 mOsm
continue work

MILDLY DEHYDRATED 66-100 mOsm
increase regular fluid intake

MODERATELY DEHYDRATED 101-150 mOsm
take a break, rehydrate now & monitor for symptoms

SEVERELY DEHYDRATED ≥ 151 mOsm
stop work, monitor for symptoms & seek medical attention

* MX3 hydration categories are guidelines only and may vary depending on the individual.
* Hydration categories are not intended to be used as medical advice.

Interpret Results



View Reports & Analytics

See Results Immediately



Take Action Rehydrate





REAL TIME DATA

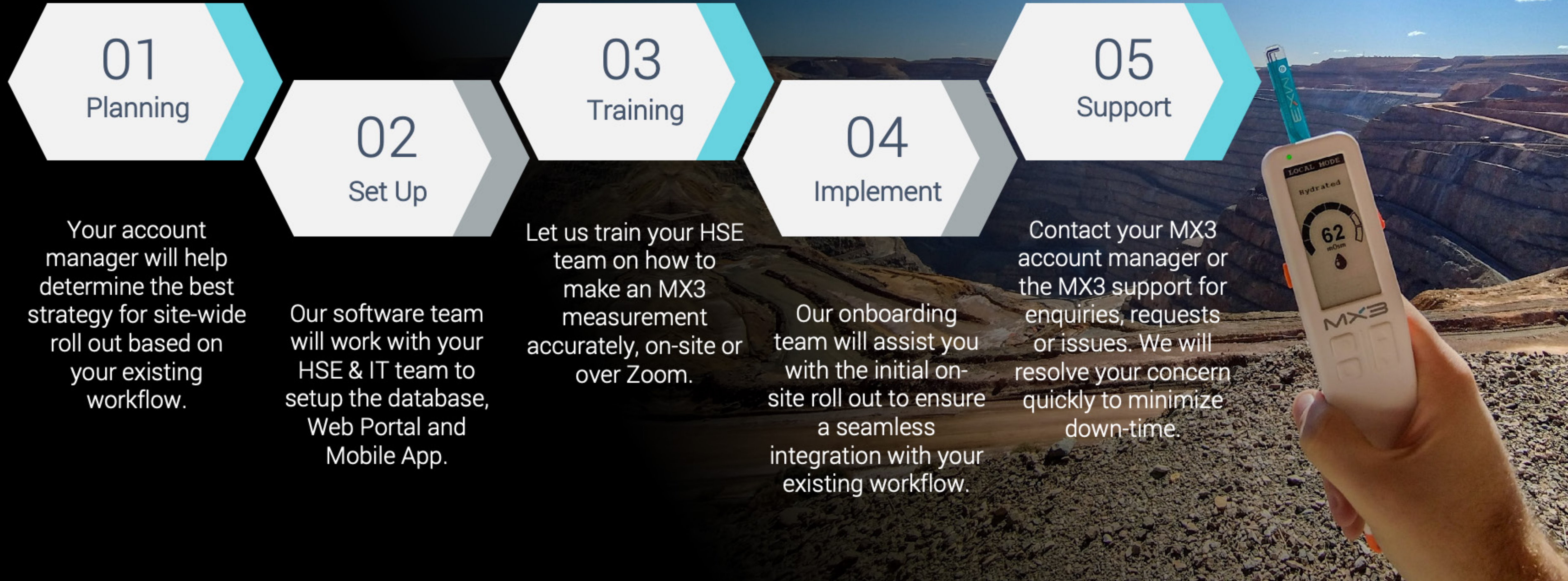
Customized dashboard, reports & dehydration alerts to integrate with existing workflow & suit the needs of:

- Individuals
- Supervisors
- HSE managers
- Site managers

** free access to software*

SEAMLESS ROLL OUT WITH MX3

Your dedicated account manager to help set up and implement MX3 on-site, from planning to support.



SUPPORTING USERS WORLDWIDE



MX3

WHAT OUR CLIENTS SAY



BHP



NORTHERN STAR
RESOURCES LIMITED



RioTinto



Newmont



“ Having a control in place that allows for **instant, actionable management of individuals hydration levels** is a game changer ”

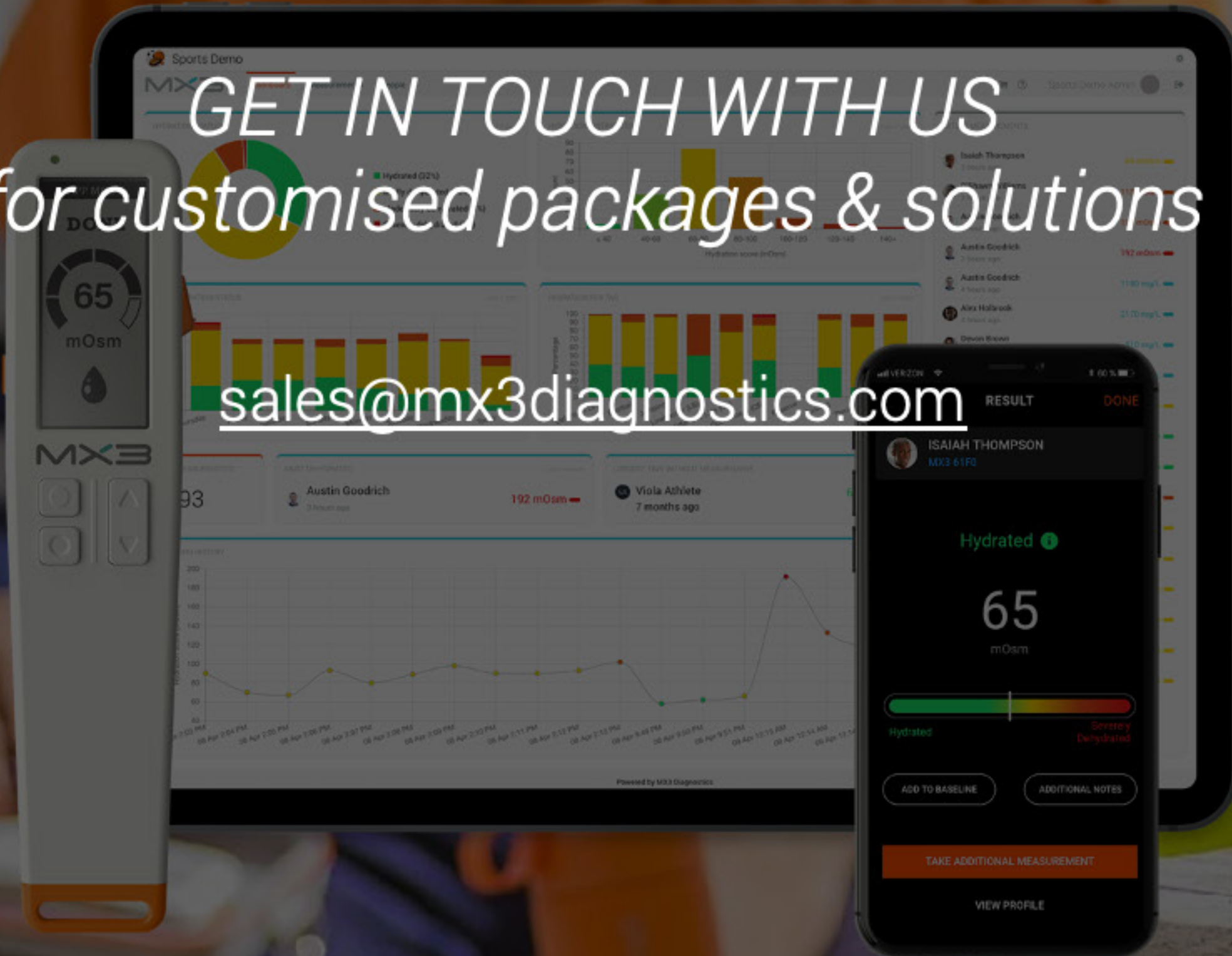
“ We, as a company, can **act immediately to prevent** what could start out as an offsider just needing a rest and a drink of water into a potentially **fatal situation or worse** ”

“ **Removing the risks and paperwork / data-entry** requirements has really improved the frequency of testing and buy-in from team members. The excellent and quick support from MX3 has been fantastic! ”



GET IN TOUCH WITH US
for customised packages & solutions

sales@mx3diagnostics.com



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