CREATING SAFER WORKPLACES THROUGH WEARABLE SENSOR TECHNOLOGY
**ViSafe Offerings**

ViSafe™ wearable sensors track, analyse and report on how your team move through their daily work lives and take the guess work out of assessing the risk of workplace injuries.

We know how difficult the workplace environment can be. With wireless ViSafe™ sensors we can provide an objective, quantitative overview of any workplace physical activity and help you create a safer workplace and healthier environment for your team. Working with you, our team is able to analyse the data and video footage captured and pinpoint unsafe work practices that can lead to workplace injuries. The information gathered and provided will empower you to make evidence-based decisions to improve the safety of your workplace.

**REVOLUTIONARY WEARABLE SENSOR TECHNOLOGY**

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**ViSafe Industry Experience**

ViSafe provides a range of movement profiles:
- **Range of Movement**
- **Repeated Movement**
- **Whole Body Vibration**
- **Sustained Movement**
- **Muscle Activity**

**ViSafe PROVIDES**

**Objective Assessment**
Uncover, assess and score your workplace risk and productivity.

**Enhanced Safety Culture**
Improve compliance, increase engagement in training and modify workplace behaviour.

**Reduced Injury and Cost**
Eliminate risk, build job dictionaries and improve return-to-work programs.

**Benefits to your Business**

**Training & Monitoring**
Harness powerful ViSafe web and app-based tools to provide real-time feedback and audit effectiveness of training.

**The Science Behind Our Sensors**

The ViSafe sensor uses the latest in wearable measuring technology, tracking in 3D for accurate assessment of movement and muscle activity.

**Medical-grade sensor**

- Movement and muscle activity sensors
- 3D accelerometer
- Gyroscope
- Magnetometer

Assessment of complex movement profiles is achieved with multiple sensors. These provide an accurate and unparalleled understanding of the body’s position during work tasks. In real time. In real work conditions.

**How it works**

1. Sensors are placed on the back and shoulder of the employee being observed.
2. The sensors are synced with the assessor’s software and video camera.
3. The data is collected over the agreed time.
4. Sensors are removed.
5. Data is sent back to the dorsaVi ViSafe analysts who run the data through a number of complex algorithms.
6. The data is presented back to the organisation in a report which provides Movement Scores for various tasks within the roles assessed.

**ViSafe INDUSTRY EXPERIENCE**

- **Manufacturing**
- **Retail**
- **Utilities**
- **Transportation**
- **Healthcare**
- **Hospitality**
- **Resources**
- **Construction**
- **Transportation**
- **Hospitality**
Our expert team will help you design the right ViSafe assessment to answer your specific manual handling issues or questions. Most organisations we work with start with one of our three standard ViSafe Assessments – Baseline, Comparative or Best Practice.

ViSafe Solutions

**ViSafe Assessments**

**ASSESSING WORKPLACE PRACTICES AND BEHAVIOUR**

The complexity of manual handling challenges faced by an organisations' workforce can be overwhelming. It may be difficult to identify changes and strategies that will deliver real benefits. Organisations may also be reluctant to invest in capital changes without clear and tangible evidence of the benefits of certain changes to the workplace. This is where objective data and new insights are able to play a profound role in reducing risk and improving workplace safety.

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ViSafe Assessments

**Baseline**

A ViSafe Baseline Assessment provides you with a movement profile of your workforce performing their standard tasks in real conditions/environments. The output is objective and provides actionable and prioritised data. This data is analysed and a risk profile for each task is created.

**Comparative**

A ViSafe Comparative Assessment is designed to compare the effectiveness of workplace practice changes or inform equipment choices – investing in new equipment or making global changes to work practice is a significant investment. With a ViSafe Comparative Assessment you know you are making the right choice based on data, not guesswork.

**Best practice**

Capture best practice movement and video data as the basis for your manual handling education programs with a ViSafe Best Practice Assessment.

Movement Score Summary

The ViSafe scoring algorithms translate complex movements into meaningful, actionable data. This is done by breaking down roles into tasks and highlighting the areas with the highest risk scores. You can then look deeper into these tasks to understand what is contributing to the risk.

<table>
<thead>
<tr>
<th>Task Description</th>
<th>Back Score</th>
<th>Shoulder Score</th>
<th>Task Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assemble Pallet</td>
<td>4</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>Unstack Pallet Assembly - Straight</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Lift Pallet Assembly</td>
<td>2</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Unstack Pallet Assembly - Split</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Translating to Lower Back Risks**

- **High Risk**
  - Shoulder:
    - Pallet Assembly: 7
  - Task:
    - Pallet Assembly: 7

- **Low Risk**
  - Shoulder:
    - Pallet Assembly: 0
  - Task:
    - Pallet Assembly: 0
ViSafe Solutions

**CHANGING WORKPLACE PRACTICE AND BEHAVIOUR**

Following your ViSafe Assessment dorsaVi can provide solutions that will help you introduce manual handling change, monitor the effect of these changes, compare alternative options, improve safety culture and engage employees in manual handling training. ViSafe Solutions include myViSafe™, Comparative Assessments and ROI analysis.

**myViSafe™**

**Real time. Real change.**

With myViSafe™ you can build on the insights from your ViSafe assessment and implement your own routine movement testing for your manual handling employees.

myViSafe is comprised of an application for use on a phone or tablet, four mini-sensors and a desktop dashboard that allows you to access and analyse your assessment data. The sensors can be worn on the back and shoulder to measure movement in real-time in the workplace.

myViSafe is the ideal manual handling training platform – employees can see their own movement profile and understand how safely they are moving. The personalised data and the interaction with the wearable technology engage employees in a way never before.

The dashboard provides you with a consolidated view of compliance and risk profiles across your business. You can look at trends, and segment profiles - such as business units and geographic locations - or you can drill down into individual assessments to monitor the performance of specific employees.

**COMPARATIVE ASSESSMENTS**

**Right choice. Every time.**

Once you have undertaken your initial ViSafe assessments and shortlisted a range of mitigation and improvement initiatives dorsaVi can help determine which of these strategies and interventions will deliver the best return on investment with ViSafe Comparative Assessments.

**ViSafe Implementation**

**BUILDING A SAFETY CULTURE**

During this stage, dorsaVi works with you to build and embed the ViSafe technology, data and learnings from your earlier ViSafe assessments into your everyday manual handling practice. dorsaVi can help you manage integration, communications planning, and implementation to transform your workplace safety performance and build a strong safety culture.

The benefits of using myViSafe

- Improve employee engagement in their workplace safety
- Uses real-time feedback
- Drive and monitor improved compliance with manual handling policies

**Evidence**

- Lower back stress in hotel chain reduced by **77%**
- Major International airport increases compliance with manual handling aids by **60%**