



Smart Digital Systems for OSH EU- OSHA

29/06/2023



PREVENTING PEOPLE FROM BREAKING



We deliver cutting-edge solutions that effectively and reliably assess musculoskeletal safety.



Envision a world where technology and passion come together to create a people-centric ecosystem that fosters growth, well-being, and safety in every workplace.

Soter Analytics is dedicated to turning this vision into a reality, paving the way for a safer future for all.

COMPLEX CHALLENGE



Ergonomic Injuries (MSDs)

=



High Employee Turnover

As of 2021, the national average
annual turnover rate was
57.3%

+



Reduced Productivity

In 2020, one of the most prevalent
causes involving days away from
work were **back injuries**

Globally, **one workplace injury** occurs **every hour**.

OUTSMARTING TRADITIONAL METHODS



In-Class Training

The **majority** of this is **lost productivity** while the worker sits in a classroom and doesn't build long-term skills. **75% of learnings are forgotten after 6-days.**



Onsite Injury Prevention

High upfront **labor cost** for the coach to be onsite. **Costly to scale** across the workforce or large facilities. Relying on treatment rather than function and proactive measures.



Workplace Redesign

Takes a lot of time and requires significant resources. Very often based on subjective data which is difficult to prove.

WHY ARE MANUAL HANDLING INJURIES HAPPENING

The physical demands of the tasks your employees do



How can we make the work less demanding?

The physical capacity of the employees



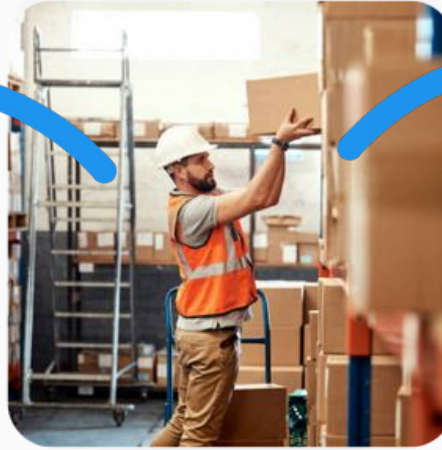
How can we increase the capacity of our people?

How they do their work



How can we help our people manage the risk?

SOLVING THE ROOT CAUSE



The People

Proper lifting techniques and movement behavior **minimize the physical impact** on workers **thus result in better performance**, less injuries and higher self-awareness.

The Environment

The efficiency of operations is largely **dependent on floor space and layout**.

The Process

The way workers perform tasks, has a significant **impact on the final outcome**. **Movement optimization improves** the overall **efficiency** of operations.

How do We do it?



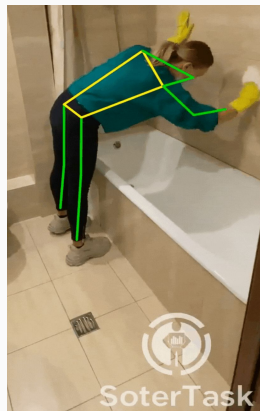
SOTER TECHNOLOGY



Scalable
Awareness

Soter Device

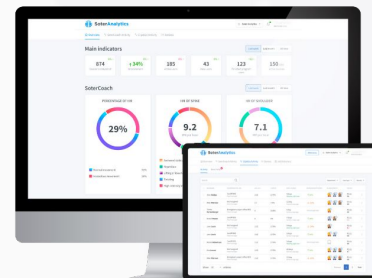
- Provides manual handling training
- Easily scalable across 1000s of workers within any facility
- Prevents up to 86% of back & shoulder ergonomic injuries



Focused
Intervention

SoterTask

- An **accurate and quick** ergonomic & task **risk analysis** solution
- **Measures what the human eye can't see**
- **Collaborating to problem solve**; workers are not isolated from the context in which they work



Proactive
Insight

Soter Dashboard

- Access risk data through **smart analytics tools**
- Identify and **filters the risks** in the workplace and monitor workers' progress
- Compare risks across workers, groups, sites and **generates reports**

SCALING THE NEW TECHNOLOGY CHALLENGES

- Ensuring the active participation and education of the managers involved in the program is of high importance.

How the new technology is presented to the workers will determine the outcome of its success



- Employee buy-in to the new technology's benefits is essential.
- The technology should be user-friendly, regardless of the employee's skill level.
- Data collection sometimes evokes automatic fear

What is next?



BALANCING ENVIRONMENT AND ERGONOMICS: OPTIMAL PERFORMANCE



Measures temperature exposure



Measures noise exposure



Measures gas exposure



A unique solution in the market that collects data for risk reduction and offers behavior training