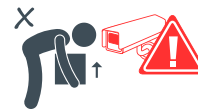# Smart Site Safety System (4S)

ABOUT THE SOLUTION

The (4S) is a groundbreaking site safety solution designed to revolutionize worker protection and prevent accidents. It leverages cutting-edge technology of AI & IoT to create a comprehensive safety ecosystem, safeguarding lives and promoting a culture of proactive risk management.

Boosting Worksite Safety with 4S:

Tech-Powered Protection: *The 4S deploys cutting-edge technologies like AI cameras, wearables, and real-time monitoring to proactively mitigate risks, keeping workers safe.*

Smart Sensors Everywhere: *The 4S deploys a network of intelligent sensors across the entire site, keeping a watchful eye on potential hazards including falling objects, hazardous materials, unsafe working conditions, etc.*

Connected Worker Protection: *Wearables and smart devices track worker location and health metrics, ensuring their well-being and enabling rapid response in emergencies.*

Proactive Risk Management: *No more reactive measures. The 4S identifies and predicts potential hazards before they become accidents, preventing injuries and saving lives.*

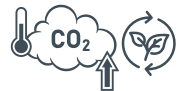### Examples of AI/IoT Detection
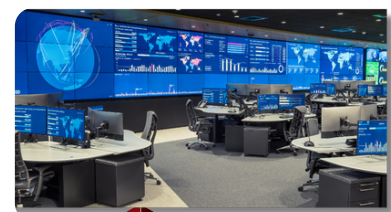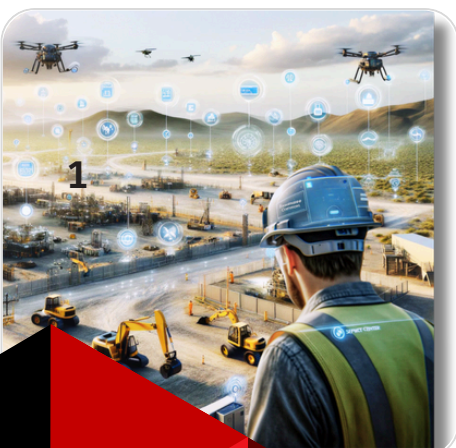
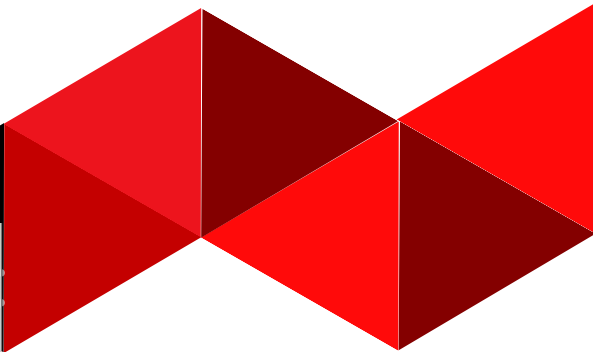Unsafe Postures Detection

Missing PPE Detection

Danger Zone Alert

Emission Monitoring

4S: Reimagines Construction Safety With INDUSTRY 4.0 Powered Technology

Health, Safety, Environment and Productivity
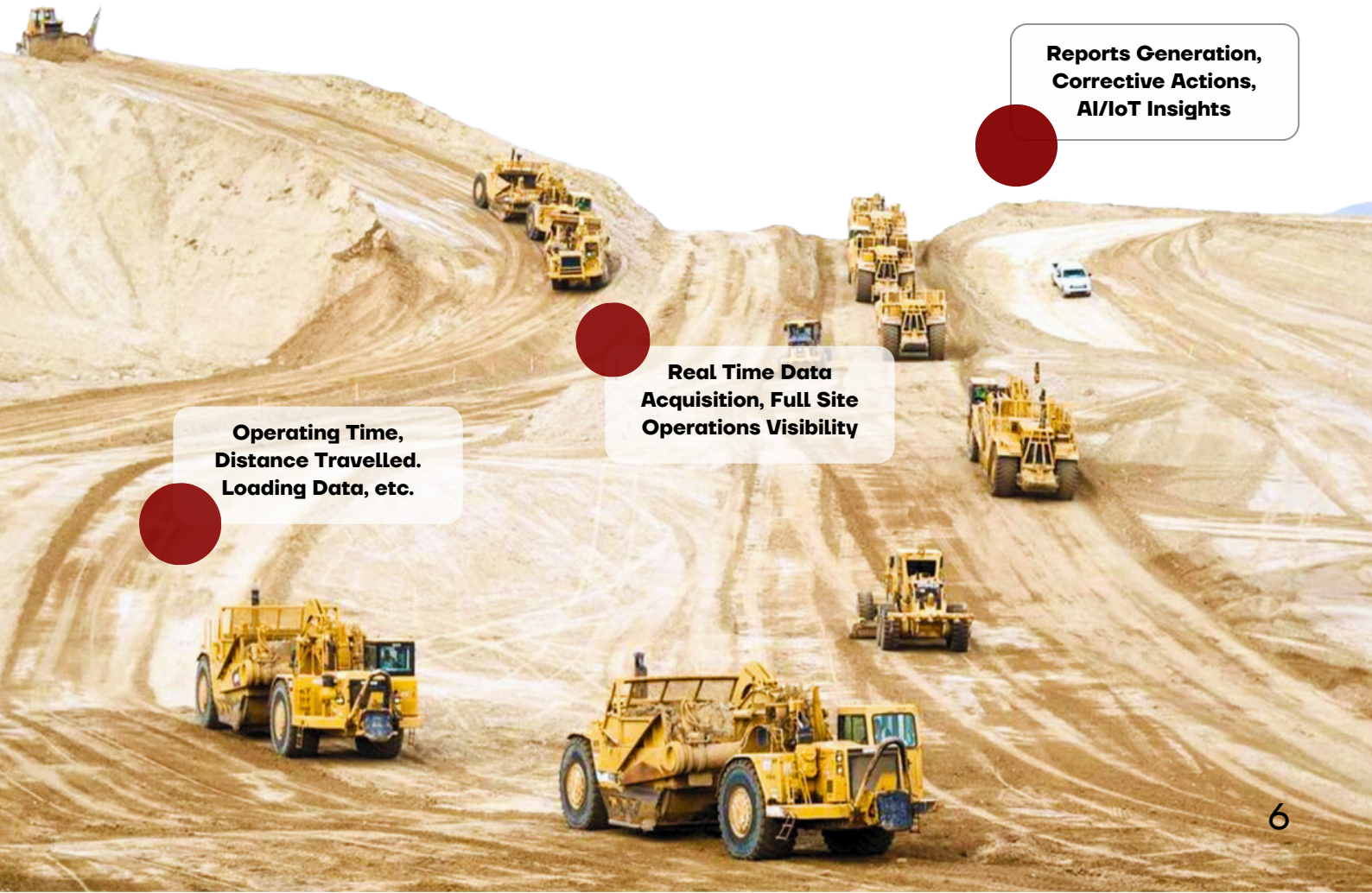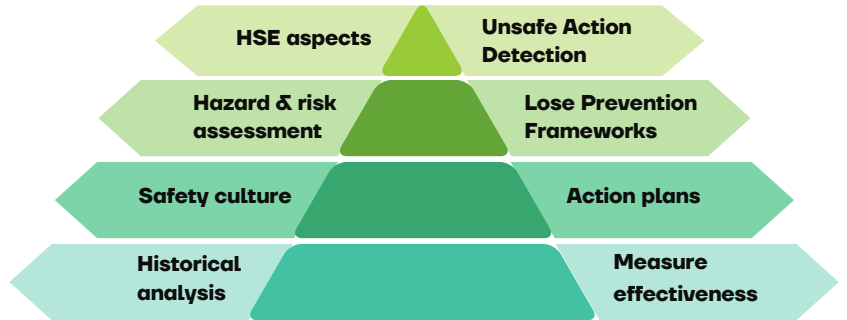

Uptime

Access Control

Full PPE

Work Permit

Vehicle Management

Helmet

Blind Spot

Emissions
85 Tons

Metered CO2
-21%

HSE aspects	Unsafe Action Detection
Hazard & risk assessment	Lose Prevention Frameworks
Safety culture	Action plans
Historical analysis	Measure effectiveness

Reports Generation, Corrective Actions, AI/IoT Insights

Real Time Data Acquisition, Full Site Operations Visibility

Operating Time, Distance Travelled. Loading Data, etc.