



## Use Case – Cell Towers

---

Protecting people. Improving productivity.

[www.damstratechnology.com](http://www.damstratechnology.com)



# Did you know?

---

**70%** of business value is based on intangible such as brand, reputation, community impact and sustainability (2018).

**1:10** When it comes to workplace incidents, \$1 dollar in direct cost leads to \$10 dollars of indirect cost (2018).

**\$5M** Average annual cost of business disruption due to non-compliance (2020).

**\$4M** Average annual revenue loss due to non-compliance (2020).

**\$3M** Average savings to a business by having Centralized safety and workforce audits (2020)



## Direct costs:

---

- Worker's compensation premiums
- Case Management
- Medical costs for surgery, medicine and rehabilitation
- DME or ancillary aids



## Indirect costs:

---

- Lost/decreased productivity
- Time to go to medical appointments
- Production down time
- Administrative costs
- Additional overtime pay required
- Time to replacement hire
- Interviewing and training new employee
- Delays in shipments and filling orders
- Loss of products or services
- Unwarranted negative media attention
- Potential OSHA penalties
- Attorney fees
- Damages to equipment, machinery, materials and facility
- Higher Worker's Comp premiums
- Reputation loss
- Degraded client loyalty and support
- Managerial costs due to the accident including inspections, investigations, meetings and administration
- Loss of employee time associated with assisting with the accident, administering first aid, and witness interviews
- Loss of employee morale

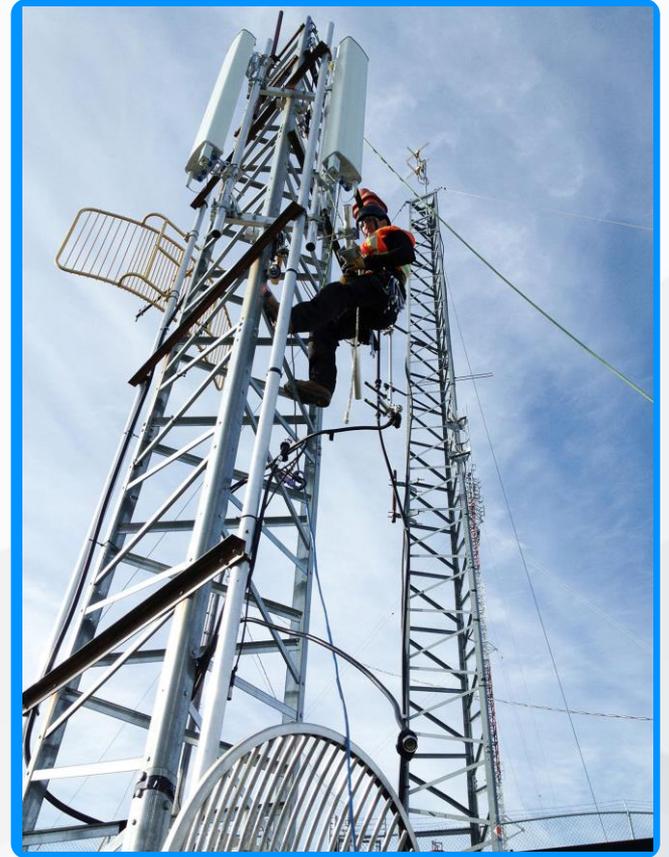
Slowed work pace due to other employees fear of injury

# What's Needed

---

A **powerful** workforce performance system to **protect**, **locate** and **gain productivity** from your workers:

- Monitor and view teams and individuals in real time
- Increase efficiencies in vehicle operation and costs
- Notify, alert and message when entering or exiting sites
- View and manage workforce allocation
- Automatically capture and report hours worked on site
- Analyze key data to proactively drive performance
- Monitor progress of workforce between tasks and sites
- Evaluate efficiencies in the movement of teams and individuals



# Operational Components

---

Where workplace tasks are many and varied:

- Lone workers in risk based roles in remote areas
- Heavy and light vehicle transportation
- Engineering and construction
- Field Service, Operations, Production
- Administration and command
- Assets
- Certifications
- Direct & Indirect Management



# Work Environment

---

At times physically and mentally demanding and socially isolating, telecommunications work can involve:

- Skills & licensure specific
- Heavy Pedestrian or Vehicle Traffic
- Confined and restricted spaces
- High-risk
- Hazardous substances
- Working at heights
- Forklifts
- Working in isolation spaces
- 24/7 operations



# Key Risks and Challenges

---



## Visibility of Workers

---

- Workers in the wrong area
- Workers entering restricted areas
- Workforce visibility over multiple sites
- Supervisor allocation and location
- Lack of visibility within vessels
- Workforce time wastage, attendance, management and monitoring

### Damstra Solo Solution:

- View workers anywhere, anytime on multiple sites
- View workforce by positions, teams and individuals
- Send and receive worker check-ins
- Locate and view nearby workers
- Identify workers within specific geofence zones
- Use beacons to accurately locate workers within internal structures



## Protection of Workers

---

- Confrontation, assault or injury
- Isolated and high-risk work
- Restricted area entry
- Unconscious or unresponsive workers
- Terrorist / security risk
- Abnormal working conditions
- Vehicle-related emergencies
- Falls from structures, containers or vessels

### Damstra Solo Solution:

- Receive and send worker locations
- Raise duress / panic alerts
- Automatically detect falls
- View key worker biometrics for anomalies
- Protect with 24/7 secure monitoring
- Automatically receive vehicle collision notification

# Key Risks and Challenges

---



## Emergency Management

---

- Site / facility evacuation
- Major equipment accidents
- Terrorist attacks
- Hazardous substances / dangerous goods spills
- Serious injuries or fatalities
- Search and rescue (air, sea and land)
- Natural disasters, fires or explosions
- Vessel collision
- Man overboard

### Damstra Solo Solution:

- Manage and control alerts and incidents raised
- Raise company, team and individual alerts
- Notify on the action required in an emergency
- Notify and receive an acknowledgment by individuals
- Account for and view all real-time locations of workforce
- View individuals' movements, biometrics and daily profile



## Driver Behavior

---

- Reckless driving
- Mobile phone use while driving
- Inexperienced driving
- Speeding in high-risk areas
- Vehicle collision detection
- Inefficient vehicle use
- Road / route blockage
- Vehicle visibility

### Damstra Solo Solution:

- Detect, manage and coach driver behavior
- View driver history analytics and insights
- Drive improvement through benchmarking and scoreboards
- Automatically detect and notify collisions
- Monitor hard braking and acceleration, cornering, mobile phone use and speeding



D A M S T R A

[www.damstratechnology.com](http://www.damstratechnology.com)