



NationWaste.us

Nation Waste
Innovative, LLC

Smarter Ports & Safer Workplaces

Maria Rios

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Fortune's 10 Most Powerful Women Entrepreneurs
Gold Medal National Congressional Entrepreneur of the Year
United States National Women's Business Council
GW Bush Business Advisory Businesswoman of the Year
Goldman Sach's 10,000 Small Business First Honoree



The Future of Smart Port Technology



Smarter Ports & Safer Workplaces

Nation Safety Net Smarter Ports & Safer Workplaces are solutions for businesses and municipalities powered by Watson cognitive insights and the internet of things. Ports, buildings and workers are safer and more efficient. Smart, environmental and wearable sensors gather data while the Watson IoT engine enhances the data with weather and other value add sources to bring notifications and cognitive analytics to avoid accidents, ease traffic flow, track assets and increase productivity.



Worker Safety

Injury Reduction Biometric Alerts Worker
Tracking Hazard Avoidance Real-time Protection
Increased Productivity Contractor Monitoring
Danger Zone Warnings



Cargo & Traffic Flow

Traffic Flow Parking Lots Eco-Terrorism
Cargo Tracking Biometric Cargo
Collision Avoidance Fleet Management
Visitor Management



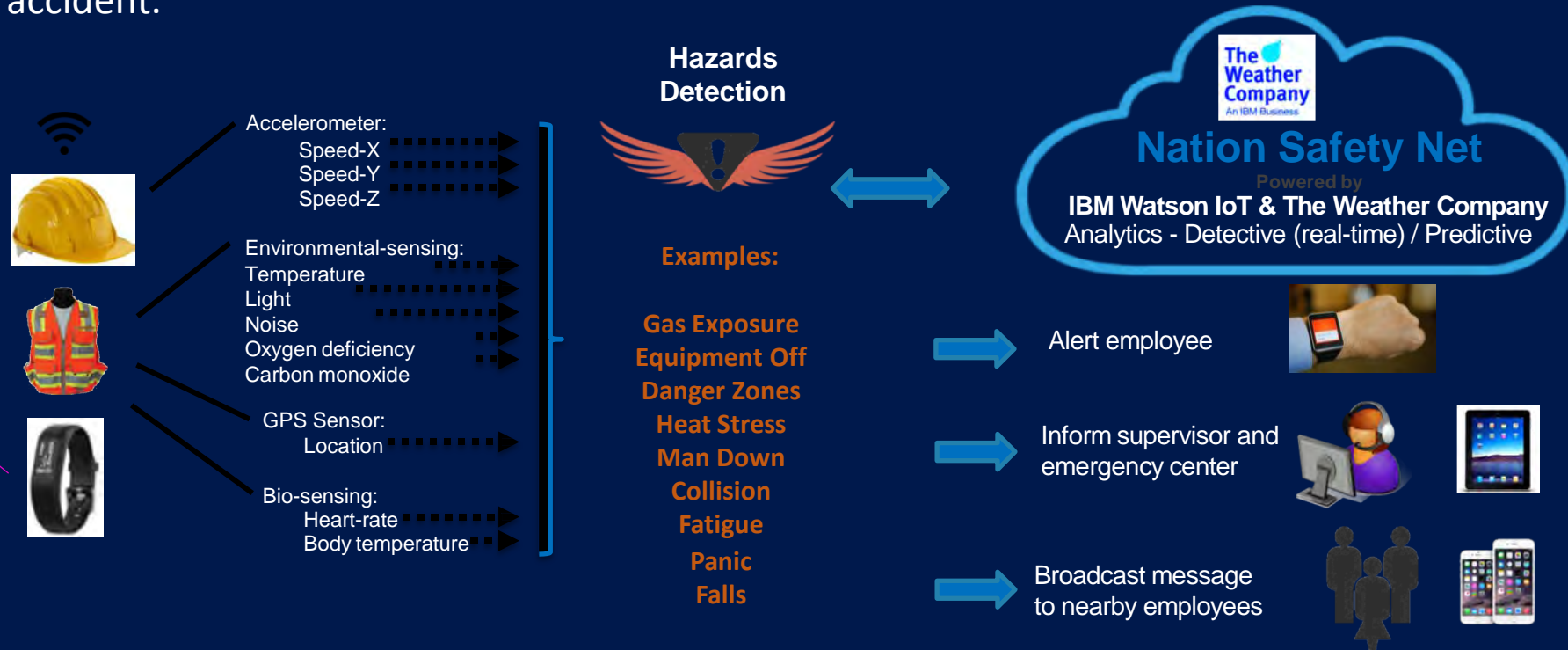
Cargo & Traffic Flow Building Insights

- Security Convenience
- Energy Efficiency
- Element Detection
- Facial Recognition
- Space Optimization
- Occupant Experience
- Maintenance Improvement



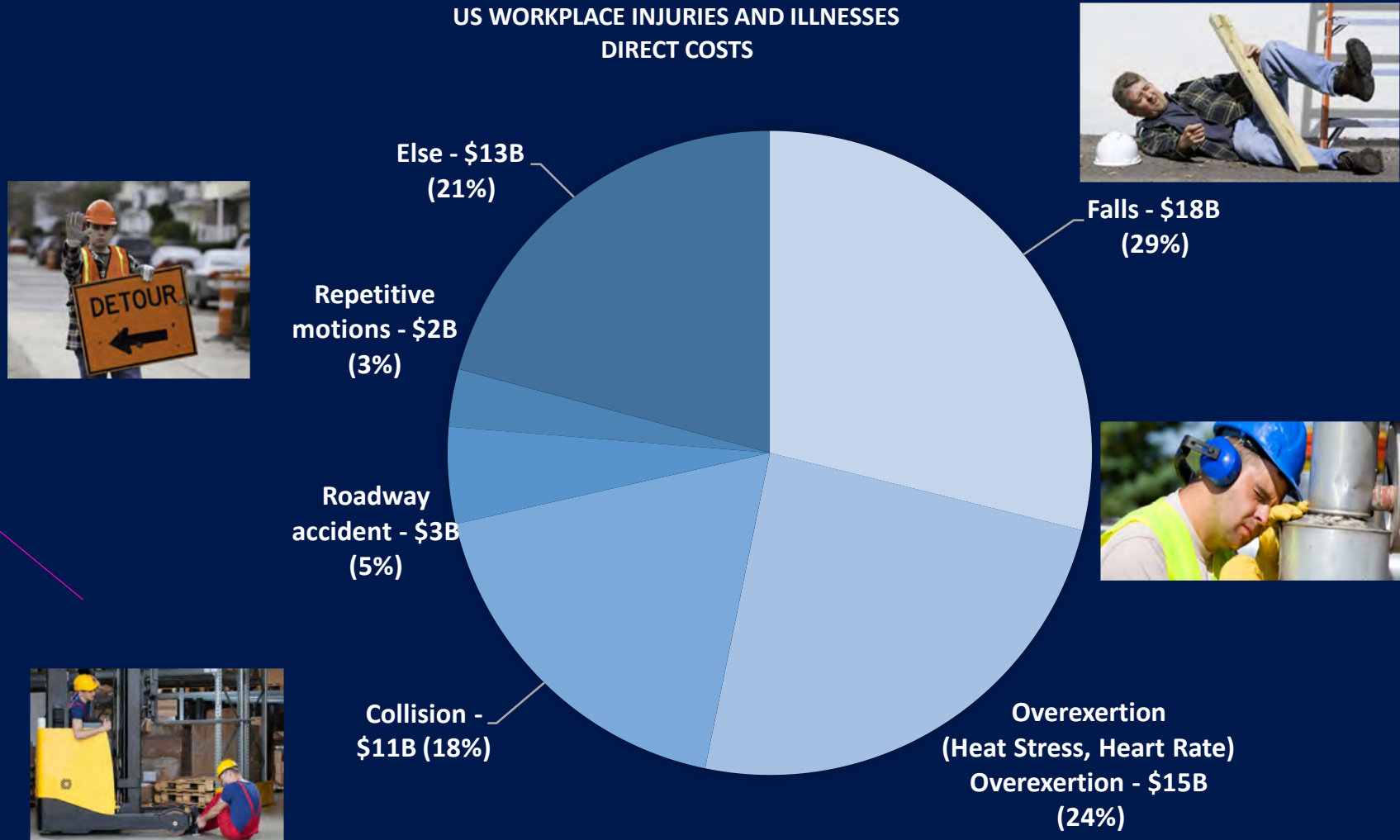
Worker Safety

Sensors are worn by employees which monitor data such as heartbeat, acceleration, skin temperature, humidity and outside weather conditions. The wellness and safety of the employee is monitored. If hazards are detected, workers, nearby colleagues and supervisors are notified. Action can be taken to prevent serious injuries. Emergency services can be contacted automatically by the system in the case of a severe accident.



Common Worker Injuries to Avoid

The Nation Safety Net for workers focuses on avoiding and mitigating injuries, hazards and risks.



Predictive Protection for Workers

Nation Safety Net Worker Insights analyzes biometric and environmental data in real-time to warn workers of unsafe conditions and possible impending accidents or injuries. Teams are sent location specific wind, rain, temperature alerts.



- Heat and Cold Stress
- Slip and Falls
- Fatigue
- Man Down
- Overexertion
- Fit to Drive
- Panic Button
- Weather Conditions
- Location Tracking
- Proximity Alerts
- Danger / Drop Zones
- Equipment Off
- Vibration Exposure
- Dust Exposure
- Chemical Exposure
- Gas Exposure

Worker & Cargo Location Tracking

Watson IoT Workplace Insights tracks people, vehicles, machinery, inventory and finished goods



- Inventory, packaged goods for shipping and employees can be tracked in real-time to within 2 centimeters of their location
- Track authorized personnel and notify security of unauthorized individuals
- Biometric cargo sensors to track temperature, humidity and spoilage of goods
- Employees can be warned if in proximity to heavy moving machinery or forklifts at up to 30 mph

Collision Avoidance

The Nation Safety Net establishes no go zones and proximity alerts if another moving person, vehicle, forklift, or piece of equipment enters an intelligent perimeter. Sensors are attached to ground handling equipment, workers and vehicles.

- Intelligent Perimeter Proximity Alerts
 - Workers
 - Forklifts
 - Heavy Machinery
 - Cargo
 - Assets
- No Go Zones / Drop Zones
- GPS Location Tracking



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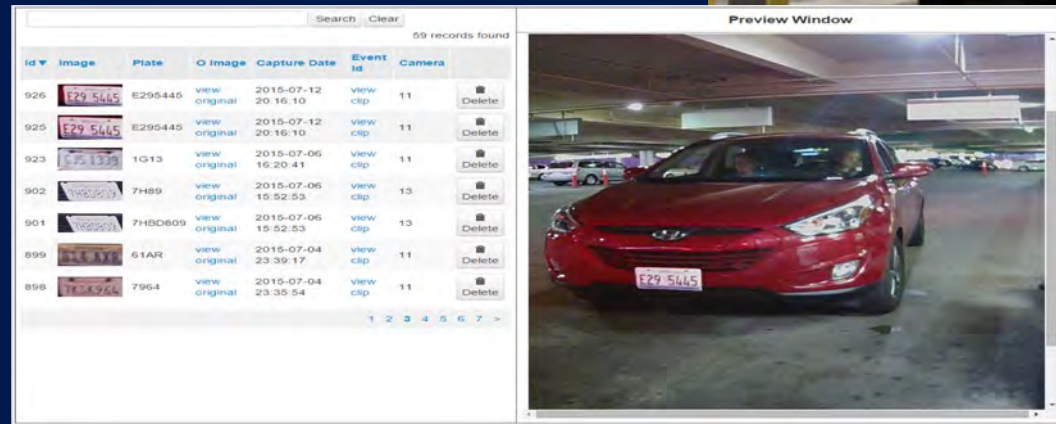


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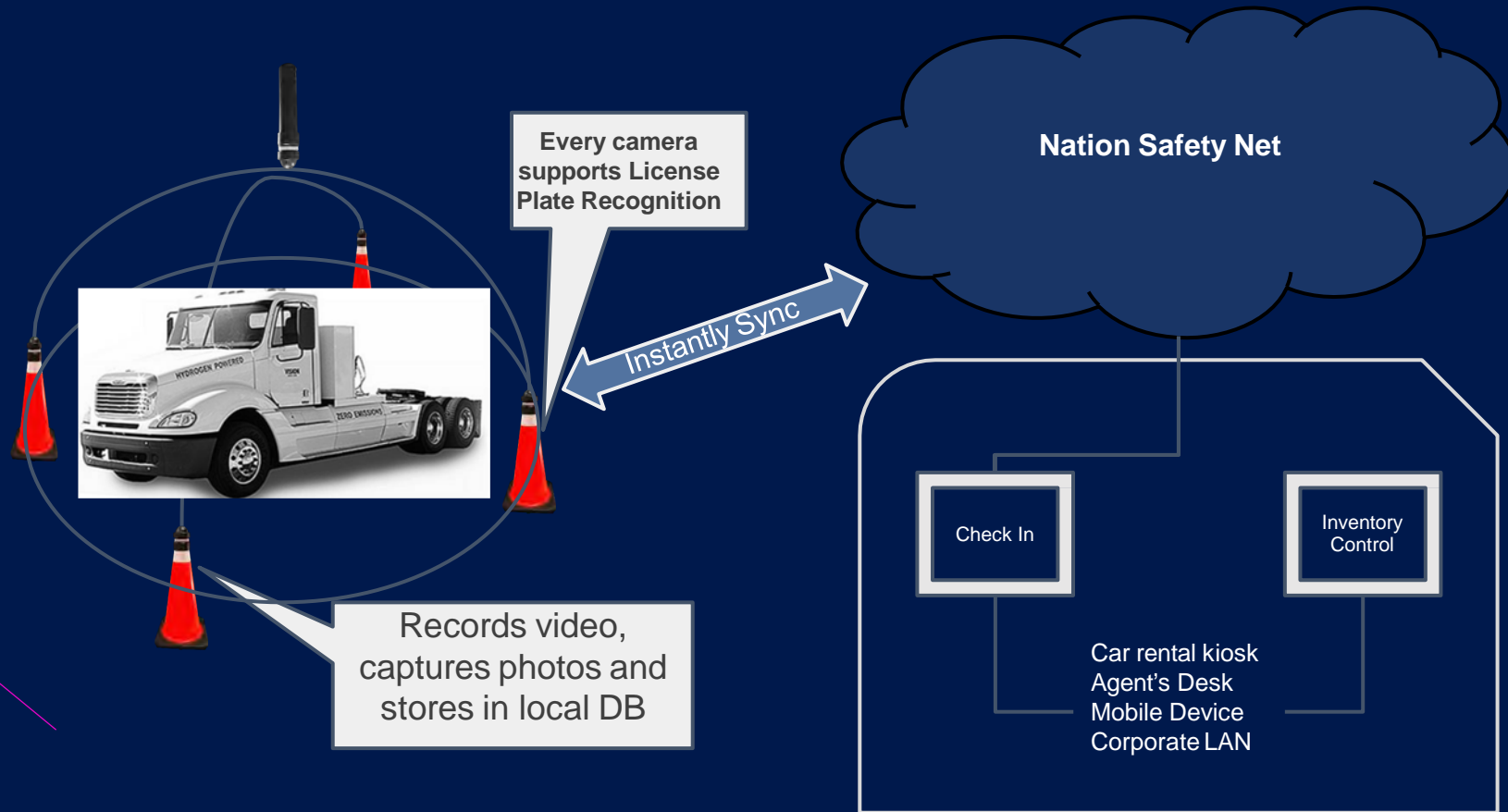
Traffic Flow, Smart Parking & Vehicle

Vehicle Control, License Plate Recognition, Lane Efficiency

- Track vehicles and adjust traffic flow to real time demand
- Seamless payments that automatically charges account based on license plate number, mobile app, or proximity tag
- Public safety through video analytics to deter and enforce crime
- Deploys a platform that can combine multiple real time data source from sensors, cameras, weather, traffic, and social media into a single user view as an Intelligent Operations Center (IoC)

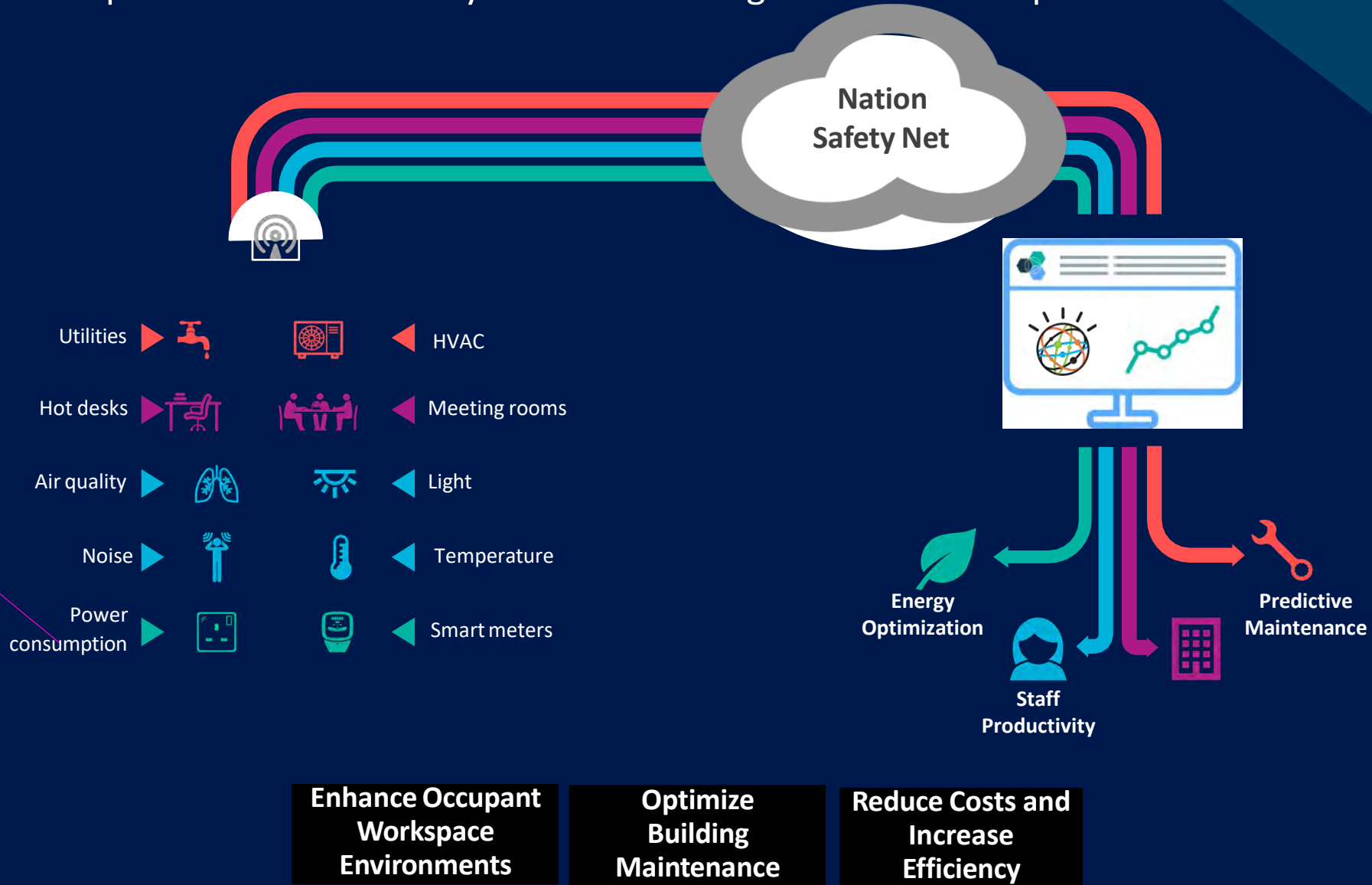


Fleet Asset Management



Building Optimization

Using cognitive analytics, sensors, and existing building systems, significantly improve your occupant experience and reduce your total building infrastructure operations.





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