REALTRAC UG THE SCALABLE SAFETY AND MONITORING SYSTEM FOR UNDERGROUND MINING
more than 7,000 units deployed in mining, all satisfied customers

>12 mines equipped, including:
• Polysaevskaya (SUEK-Kuzbass)
• South mine (HC SDS-Coal)
• Badran (Zapadnaya Gold)

Global Support Team

RealTrac UG the Scalable Monitoring and Safety System for UG Mining
REALTRAC UG FUNCTIONS INCLUDE

- position, movement, and utilization monitoring
- digital voice and telemetry
- panic button
- emergency message broadcast
- hazardous zones (geo-fencing)
- man-down alert
- proximity detection & collision avoidance

RealTrac UG: the Scalable Monitoring and Safety System for UG Mining
RealTrac UG the Scalable Monitoring and Safety System for UG Mining
INCREASE EFFICIENCY, E.G. BY

- equipment utilization KPIs
- traffic management
- equipment remote control
- time reduction to locate assets and equipment

up to 15% typical efficiency increase seen, ROI possible in 9-12 months

RealTrac UG the Scalable Monitoring and Safety System for UG Mining
SELECT ADVANTAGES OF REALTRAC UG

RealTrac UG, generally

• complies with many Safety Regulations and Standards
• uses same infrastructure for CAS, Monitor, Voice, and IoT
• includes server software for configuration, visualization, and analysis
• is internet and cloud enabled, can run on site servers with remote support
• allows customers to configure features to specific requirements
• is easy to expand as mine develops, protects investment
• can provide automatic messages when trespassing dangerous areas, access levels, etc.
• can alert when violating business processes
• is easy to integrate with other/existing systems (ERP, CCTV, etc.)
SUMMARY: REALTRAC UG INCLUDES

- **CAS**
  - proximity detection and collision avoidance

- **Monitor**
  - localization, utilization, monitoring, analysis

- **Voice**
  - digital voice communication, broadcasting

- **Communication**
  - digital communication backbone, to/from server and control room

- **IoT**
  - telemetry, third party system management

same infrastructure for all RealTrac functions