

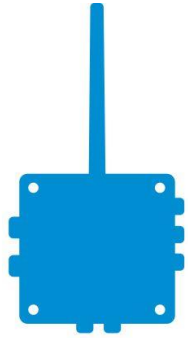


**RealTrac**



**RealTrac UG** the Scalable  
Safety and Monitoring System  
for Underground Mining

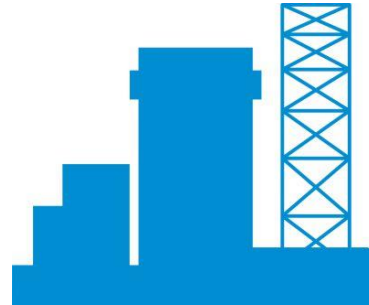
# RealTrac UG Customers Trust Us



**RealTrac**

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more than 7'000 units  
deployed in mining, all  
satisfied customers



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>12 mines equipped, including:

- Polysaevskaya (SUEK-Kuzbass)
- South mine (HC SDS-Coal)
- Badran (Zapadnaya Gold)



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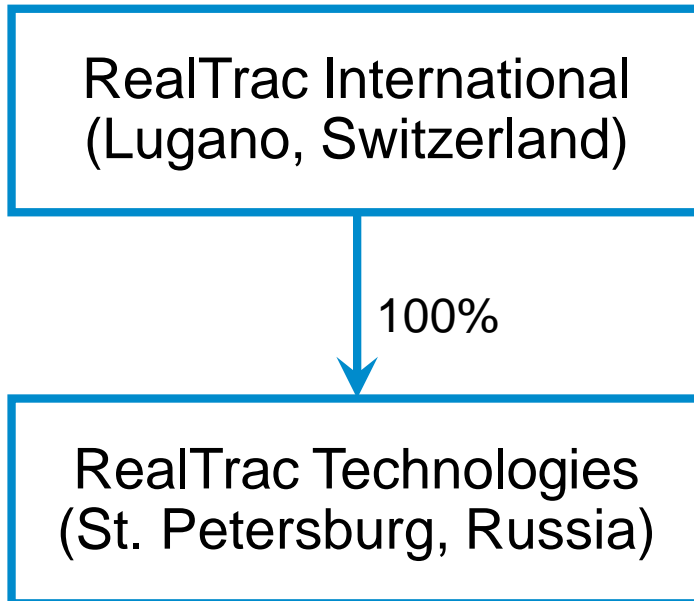
Global Support Team



Metalloinvest



# RealTrac: The Companies



- offices in Switzerland and Russia;
- partners in many countries;
- solid expertise in safety & productivity management;
- successful product integration portfolio in CIS;
- continuous growth of customer base;
- excellent reputation.

# RealTrac UG Functions Include

position, movement,  
and utilization analysis

emergency message  
broadcast

digital voice

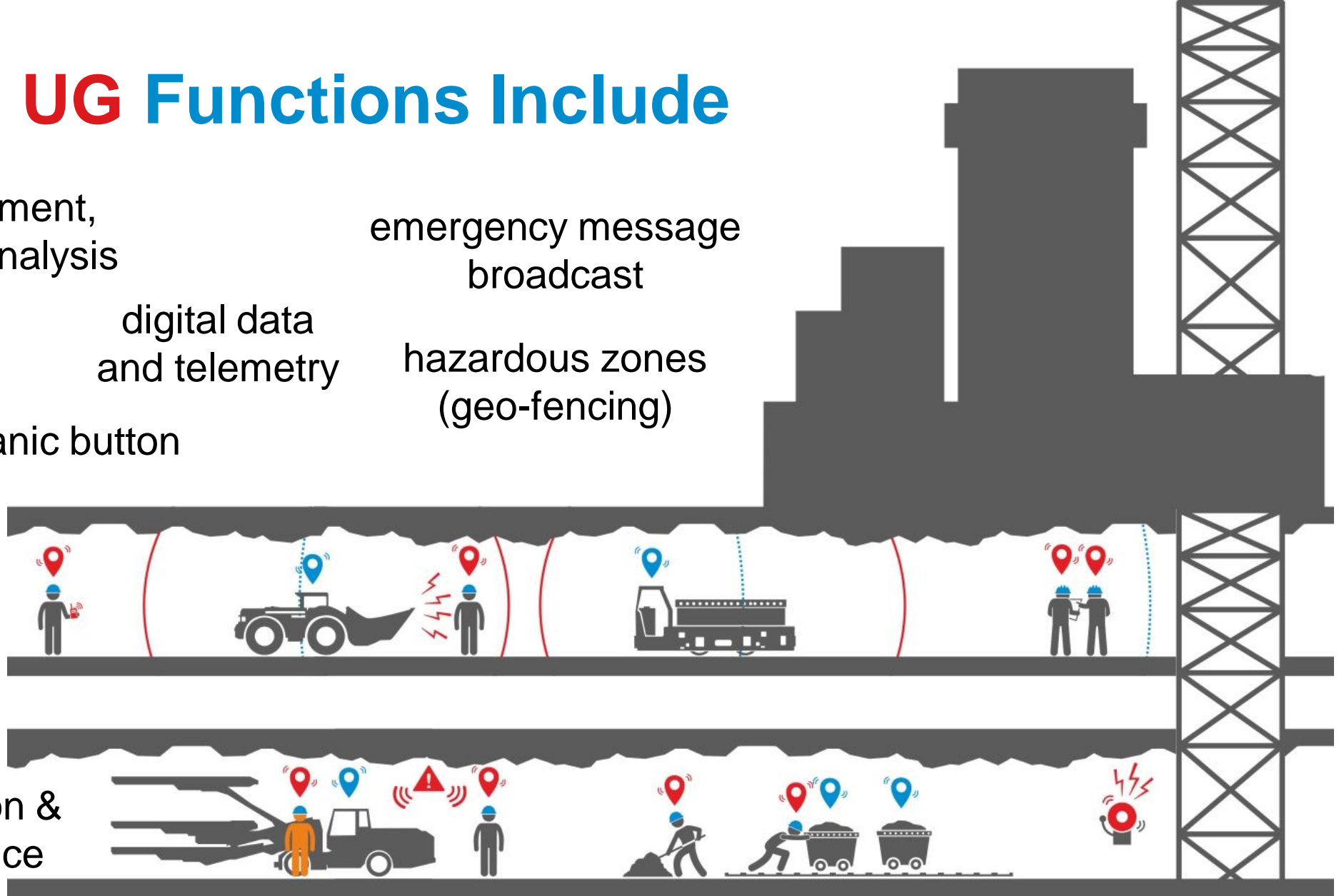
digital data  
and telemetry

hazardous zones  
(geo-fencing)

panic button

automatic  
man-down alert

proximity detection &  
collision avoidance



# Improve Safety, e.g. by



## staff monitoring

know where staff and equipment is

- know location for urgency or emergency
- assure correct evacuation



## collision avoidance

proximity detection & collision avoidance

- V2P & V2V protection
- operator alert for proximity and danger
- equipment slow-down or stop in emergency



## victim localization

more efficient victim search

- last known position
- tag signal search



## health monitoring

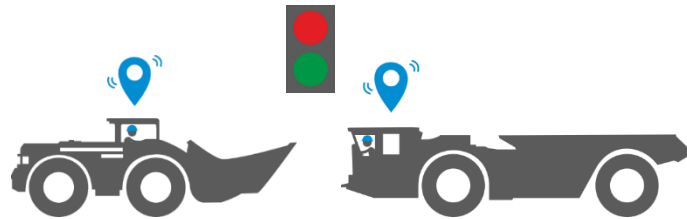
staff

- 3<sup>rd</sup> party health sensors
- supervisor alert

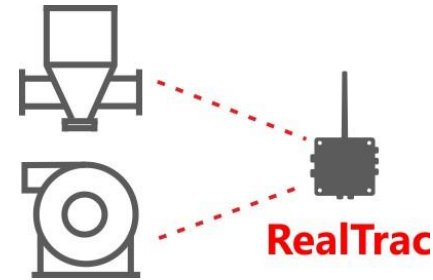
# Increase Efficiency, e.g. by



equipment  
utilization KPIs



traffic  
management



equipment  
remote control

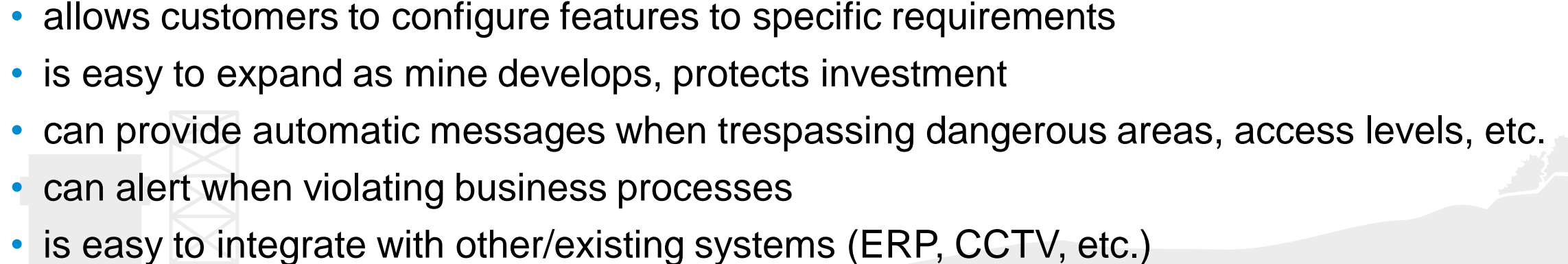


time reduction  
to locate  
assets and  
equipment

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

# Select Advantages of RealTrac UG

**RealTrac UG**, generally

- complies with 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
  - 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.)
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# CONTACT US

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