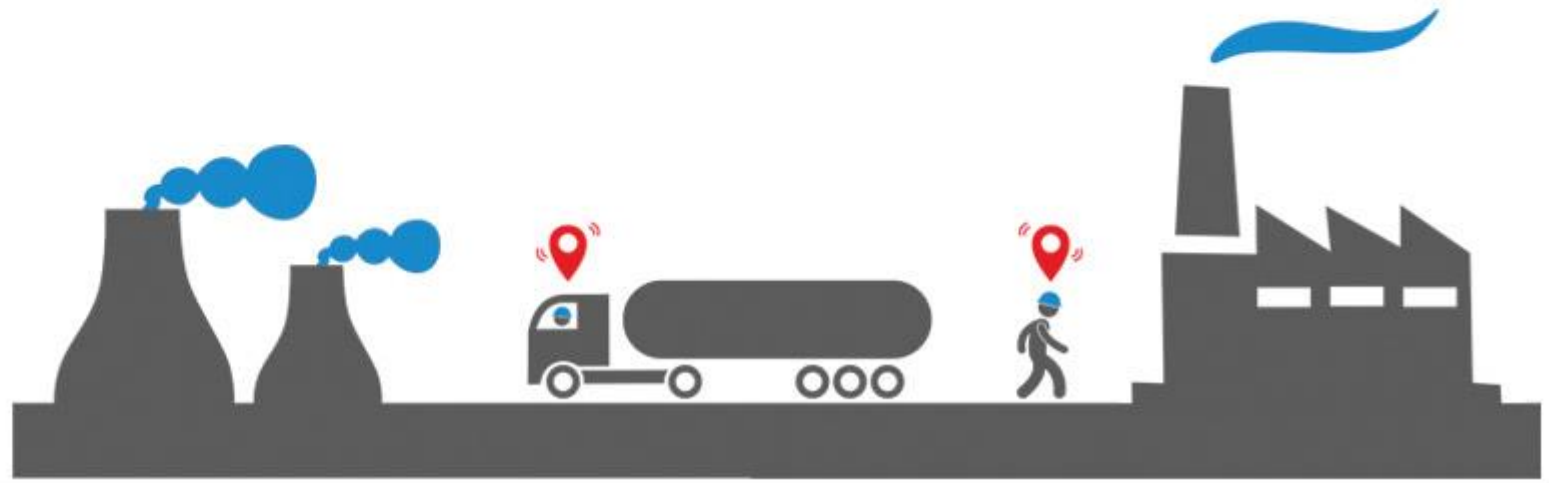
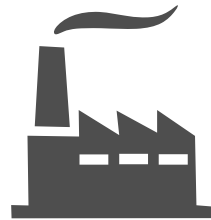


# BUILT-UP POSITIONING AND COMMUNICATION SYSTEM FOR MANUFACTURES



# THE RTL SERVICE COMPANY GROUP TODAY

Today, the RTL Service Company Group is a successful international company with installations all over the country and a development that is in high demand abroad.



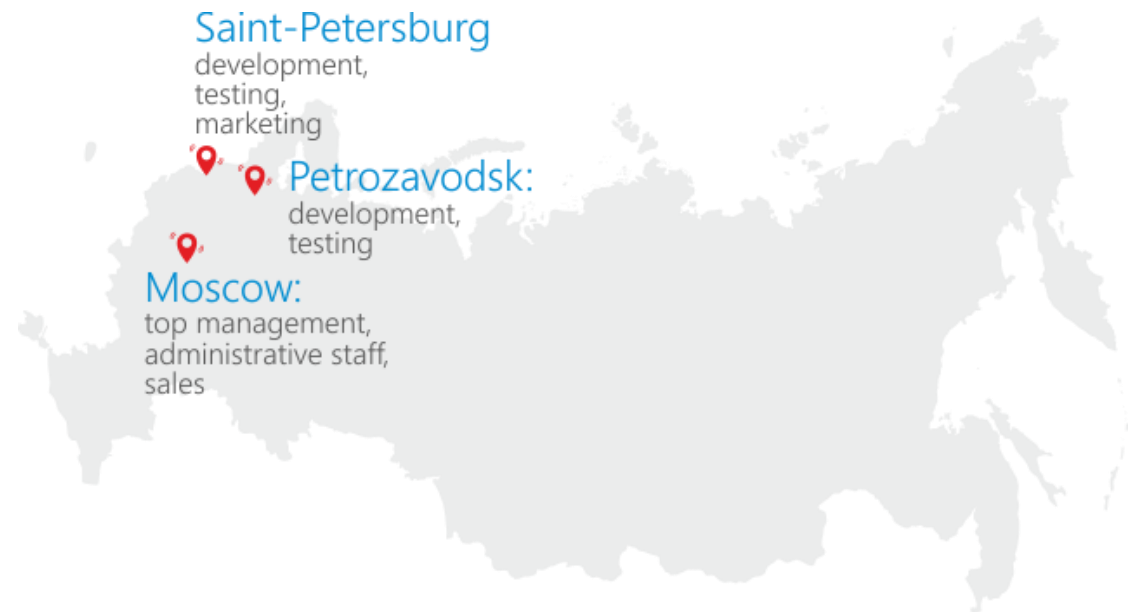
Manufacturing in Russia and Slovakia



7 Engineering Science PhD-s

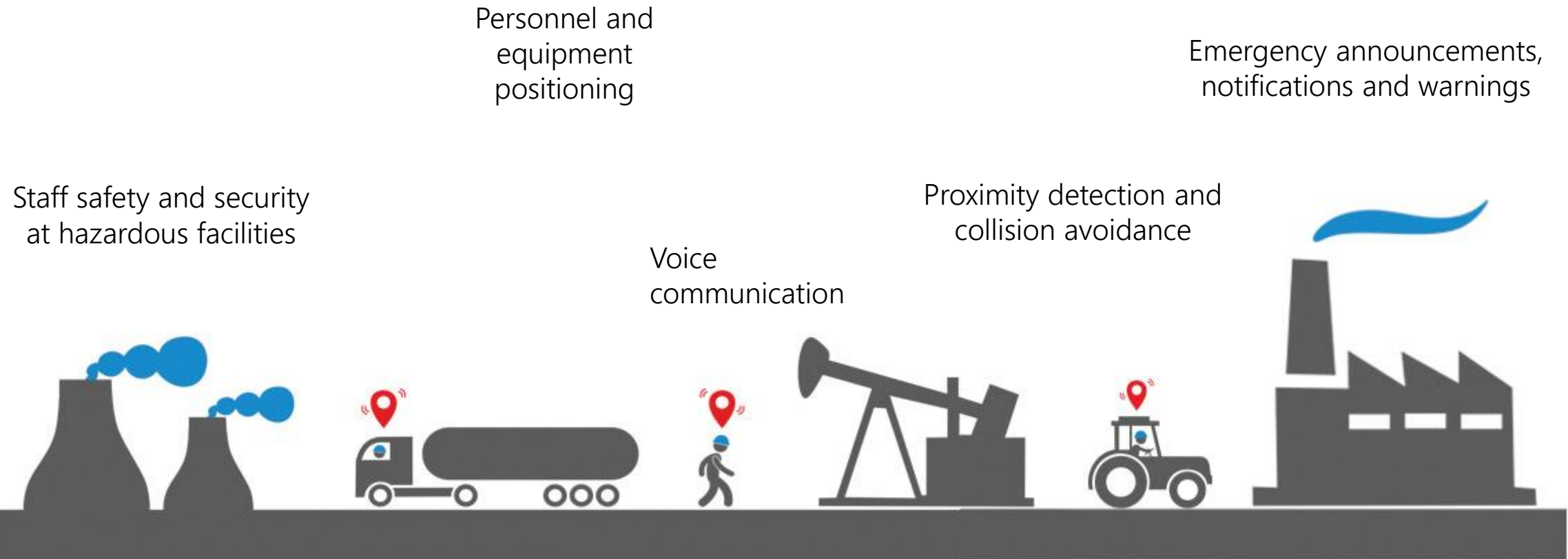


In-house development (from the basic algorithms to complete hardware and software solutions)



Expertise on positioning technologies in restricted areas or areas where any other source of communication is not available.

# TASKS SOLVED BY THE SYSTEM:



# TIME MANAGEMENT AND INCREASING THE EFFICIENCY



Tracking the location and movements of personnel within the premises



Monitoring personnel at workplaces or in recreational areas



Personnel and equipment tracking



Working time control

As a result, ROI will be achieved in 6-12 months only!

# WORKING CONDITIONS IN MANUFACTURES ARE DEMANDING, WHERE DIFFERENT THINGS CAN HAPPEN:



Collisions of equipment



Fires, emissions of hazardous substances and other emergencies



High level of occupational traumatism and industrial accidents

# IT IS ESSENTIAL TO PROVIDE:



Compliance with the Safety Regulations and Standards for underground work



Proximity detection and collision avoidance



Personnel positioning



Quick voice communication



Back up alarm system channel



Proper work efficiency level

## SOLUTION

Does an affordable system that meets all the requirements exist?

# YES!

Built-up RealTrac 3.0 system by  
the RTL Service Company Group

## BASIC (LOW-COST) CONFIGURATION OF THE SYSTEM PROVIDES:

Basic (low-cost) configuration of the system provides:

- Personnel positioning
- Equipment positioning

It provides personnel and equipment positioning:

- Within manufacturing facility
- At nearby locations



# REALTRAC 3.0 SYSTEM-BASED SOLUTION

In case of any alterations in legislation or internal company requirements, you just need to upgrade the system and get extra functionality without any re-equipment:

- Provide multichannel voice communication over a digital interference-free channel and provide back up alarm system channel
- Proximity detection and collision avoidance
- Gather and transfer data received from gas sensors, pressure/ temperature/ humidity/ air composition transmitters

# SYSTEM COMPONENTS



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## Personal tags

Are distributed to all the workers.

- Provide personnel positioning
- Can be used as portable radio sets
- Gather telemetry and data from third-party sensors



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## Access points

Are installed in key points of a healthcare institutions ( entrance-exit, gateways, guard posts)

- They provide personnel positioning
- Gather data from tags
- Transfer it to the server



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## Server

- Process data received from access points and personal tags
- Transfer data and reports to the system manager
- Is easily integrated with other systems

## ADVANTAGES OF THE SYSTEM

- The most cost-effective system on the market.
- Implementing and launching the area positioning system within 20 days.
- Single infrastructure for the area and accurate positioning system.
- Installation of permanent and temporary prohibited areas.
- Automatically generated messages about trespassing dangerous areas, violation of business processes and access levels.
- Digital way of storing the data and its subsequent analysis.
- Flexible license policy for the customers.
- Integrated management and software system.

# THE REALTRAC 3.0 LOCAL POSITIONING SYSTEM IS PRODUCED IN ORDER TO PROVIDE POSITIONING, LOCALIZATION AND TRACKING THE PEOPLE, EQUIPMENT AND OTHER OBJECTS IN MINING AND TO DELIVER VOICE COMMUNICATION AMONG THEM.

Other industries where positioning and localization of personnel, equipment and other objects may be needed:



People



Transport



Equipment and other objects

Positioning accuracy is up to 1-3 meters.

# POSSIBLE APPLICATIONS



Underground mining



Manufactures



Logistics centers

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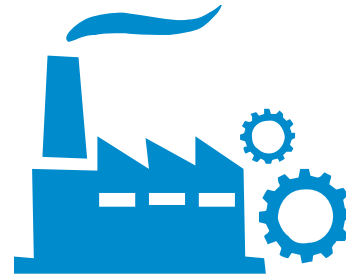
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# OUR CUSTOMERS TRUST US BECAUSE



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We are over 10 years in the cutting-edge technologies market.



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We have solid experience in the development and support.



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We have highly qualified experts and specialists.

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