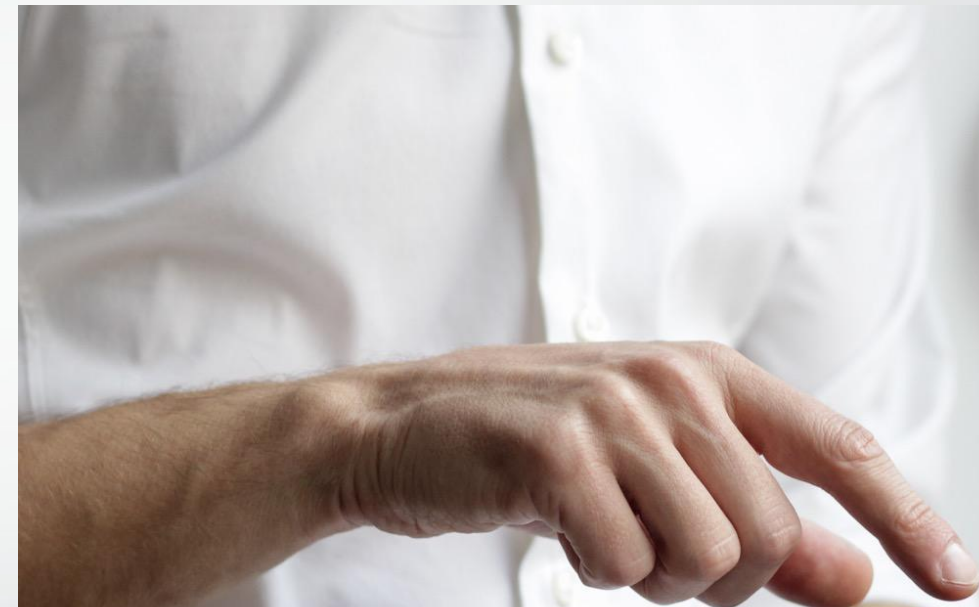




# Search **and** monitoring

★BNK NOTOK   
system

- More than 5 years we serve rental agencies in the field of safety
- At the beginning of 2019, the total fleet of cars amounted to more than 600



# ABOUT US

DEVELOPMENT AND IMPLEMENTATION OF  
GLOBAL MONITORING SYSTEMS FOR RISK  
MITIGATION AND REMOTE CONTROL

# INTRODUCTION

Rescue operations (ASR) in the mountains have their own specifics. Mountainous terrain is an increased danger. Among the objective realities: avalanches, cracks, fog, mountain terrain. The climate in the mountains is sharper and is characterized by greater amplitude compared to the plain. Even in summer, the altitude is snow. Avalanches are frequent in winter and landslides in summer.

This is very dangerous for fans of extreme sports. Since the time of rescue of victims in the high-altitude zone at low temperatures, even minutes of delay play a crucial role. When the location of victims buried under snow or trapped in a glacial fissure is known, then the search will take much less time, and the victims will have a better chance to escape. If a group of travelers did not return to the target date, you have to look for a few days, depending on the terrain and weather conditions at the moment. Also on the slopes of Elbrus people in bad weather, losing orientation can diverge in different directions at a distance of several kilometers. With our GLONASS GPS equipment, finding people will take less time.



# EQUIPMENT

## GPS Marker M80

- Sealed housing with magnet
- 99 channel GPS / GLONASS receiver-significantly increases the reliability and accuracy of the coordinates even in the most difficult conditions
- SOS panic button-the ability to quickly report the impending danger



# RADIONUCLIDE RZ-5

The RS5 radio pad is a self-contained device the size of a business card, designed to search for a car, can also be used to search for people. Due to its compact size and the absence of additional conditions, the RS5 can be compactly placed in human clothing. Each radio tab has a unique identification number and the operating frequency of the device is 433MHz.



# DISPATCHING SERVICE

Dispatching service is a system of control and warning about emergency situations. Our dispatching service works round the clock to report the incident at any time of the day or night. In the event of an emergency, the dispatcher immediately informs the Ministry of emergency situations about the location of a person or group of people for a rescue operation.



# SUPERVISORY CONTROL

Examples of Supervisory control data:

- Group 1, began climbing at 13: 30. Number of people 5. Three days. Should reach the mark of 1200m.
- Group 2, must rise on levels benchmarks 3,000 meters, number of man – 7. Estimated time of return of the group in 5 days.
- Group 3, should rise to the height of the mark 1500 meters number of people -3. Estimated time of return of the group in 7 days.
- When this data is received, the dispatcher enters it into the amoCRM program for further control.
- Also, the dispatcher after this period of time looks at the location of the group, in order to control "whether the group returned."

# Notification of emergency samples to Manager about emergencies:

Hello,

Группа: 1 Иванов Дмитрий Николаевич

Событие: 06. ТРЕВОГА  
МНЕ НУЖНА ПОМОЩЬ

Position: 43.345068,  
42.465897

Speed: 0 км/ч

Time (position): 2019-02-13  
16:00:29

Hello,

Группа: 1 Иванов Дмитрий Николаевич

Событие: 06. ТРЕВОГА  
НЕТ СВЯЗИ 4 ЧАСА

Position: 43.345068,  
42.465897

Speed: 0 км/ч

Time (position): 2019-02-13  
20:00:29

Hello,

Группа: 1 Иванов Дмитрий Николаевич

Событие: 06. ТРЕВОГА  
ОПАСНАЯ ЗОНА

Position: 43.345068,  
42.465897

Speed: 0 км/ч

Time (position): 2019-02-13  
21:00:29



# The actions of the Manager in emergencies:

Let MOE alarm event

Transmit the location coordinates of a person or group

MOE support online

scangps.ru/tracking.php#

Авиабилеты Часто посещаемые Начальная страница Warface | Многополь... Игорь Любейшун Почта Mail.Ru соси писос - Обзор - ... Visa QIWI Кошелек (2) YouTube Бонусы | Игры Mail.Ru AliExpress — качество...

Russian ssn.gaws@...

Объекты События Места История

Поиск

Объект

Разгруппированы (136)

- 05\_Лодка  
2018-12-20 12:36:07  
0 км/ч
- 089 fuso  
Нет данных  
0 км/ч
- 2.0224 мтс с 330 рио  
2017-11-25 13:30:35  
0 км/ч
- 2.0421R MTS с 275 ...**  
2019-04-05 01:38:39  
0 км/ч
- 2.0538 с 565 Гр  
2018-10-28 19:53:15  
0 км/ч
- 2.0560/G снят с 18...  
2019-01-25 12:16:42  
0 км/ч
- 2.0631/R  
2018-10-18 16:02:26  
0 км/ч

Данные	Значение

OSM Map

Leaflet | © OpenStreetMap contributors

# CONCLUSION

So, summing up, we can draw the following conclusions:

- A system has been created that significantly increases the control and accounting of all ascents by issuing equipment for rent in the form of insurance policies
- When using the equipment, the search time for tourists in an emergency situation is reduced
- The dispatcher can report at any time of the day or night about the emergency
- Emergency workers receive state-of-the-art search equipment



We will be happy to discuss the terms of cooperation

Dmitry 

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Kontrol-topliva.ru 