

MILITARY – EMERGENCY – PUBLIC SERVICES

Optimization and Simulation

Costs, service levels and operational risks are to be considered for the performance of your business? With our tools you can decide in an objective way, to make best use of your resources and ensure service levels and security requirements. Why risk?

Military - Emergency - Public Services Optimization

The structures must ensure that **critical services**, often associated with people's lives, are unfortunately also subject to the limitation of resources, such as the number of doctors in the wards, or the number of patrols in service. **Make the best use of all resources on the basis of the relevance**



of different targets is of strategic importance not only to minimize costs, but also to avoid the risk of not achieving the objectives and to consider properly the "competition" of

several factors and objectives contradictory to each other. Often decisions must be made at short notice and for managers of these facilities becomes increasingly important to be able to objectify the public and the surveillance authorities that has worked well. Our tools and our approach can support strategic and operational decisions with the most advanced optimization techniques (as well as simulation and forecasting). **Why risk?**

- schedule resources (personnel, operating rooms, crew and equipment)
- size infrastructure
- shift patrolling the area
- manage mobile resources on geographic areas
- establish procedures for minimizing security risks
- organize and manage services on the territory

To describe the different areas in which optimization techniques help in deciding and managing the managers of health, military, public safety could write more books. Here are some ideas for the application, which often must be considered in our solution involved a combination of several tools and techniques: forecasting, optimization and simulation.

Military Scope

- dislocation of resources and crews
- dynamic scheduling of mobile resources and fleets

Military - Emergency - Public Services Simulation

Understanding the virtual world to not risk in the real world! With the simulation you can evaluate the choices and decisions in an objective and reliable way before making them operational. You can anticipate impending danger.

Our simulation tools allow you to recreate a virtual copy of your system on which tests and experiments - **what-if** - which allows you to deeply understand their effects before deciding its effective implementation.

To objectify choices is increasingly important for managers and directors of health facilities, Police, Civil Protection and, in general, organizations should play a critical work for the people in which often the life of people is involved.

This is not only minimize costs but to ensure the security, unfortunately with limited resources. The simulation is a tool to objectify chosen to demonstrate the validity of actions in an objective way. **What can you simulate?**

- activities on the territory
- warehouses
- security procedures
- situations of crisis and emergency



Why ACT Solutions? We specialize in providing tools and solutions based on simulation models and algorithms for optimal governance processes. We

have the experience of years of work and a deep knowledge of processes. Why risk?

MILITARY – EMERGENCY – PUBLIC SERVICES

Optimization and Simulation

- management of logistic activities
- good management of stocks and spare parts in warehouses
- definition of parameters of procedures

Public Safety

- dislocation Patrol Information
- dynamic scheduling of operations
- scheduling of staff

Why ACT Solutions? We have a single core business: providing tools to manage your processes so great cost to a minimum, respecting the constraints and in pursuance of the objectives to which the processes themselves are prepared. We deal in a scientific manner the behavior of systems with a deep expertise in process! We do so with passion. Do not hesitate to contact us!