



# The Best Defense is... Optimization

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06-03-16



## The best defense is... optimization

A good, appropriate response exists for coping with the variety of ballistic threats faced by the State of Israel. The existing active defense, proven in recent military operations and in our normal routines as well, provides an optimal solution for round-the-clock detection and warning. Omnisys gives active defense increased effectiveness - rapid optimization to maximize operational effectiveness at any given moment.

In Israel, active defense is a cornerstone of the state's defense doctrine. No other country in the world is under as constant threat - from the quantitative, qualitative and multi-directional aspects - as the State of Israel; no other country is as needful of constant vigilance in protecting its civilian population and guarding its strategic assets.

The big challenge in active defense is to maintain continuous optimization, in order to detect what the enemy is doing at all times - what he is firing, at whom and how much - and thus obtain optimal coverage of all required areas, provide real time detection and warning for the civilian population, and decide on the appropriate response. To put it simply, the challenge is to provide the most effective defense possible.

For this purpose, suitable optimization tools are required, to assist in making important decisions such as where to deploy the systems, how many to deploy and where or, in the case of local failure - how to cover for the malfunction on the planning, control and execution levels. This is precisely where Omnisys enters the picture.

Omnisys has a great deal of knowledge in active defense, thanks to people with a great deal of technical experience and military backgrounds, who together form a team intimately familiar with ever-changing needs. Omnisys possesses an optimal understanding of events, lacks and gaps in defense systems; hence, its capability of producing unique tools designed to achieve optimized mission planning, give precise instructions in real time and lead to full accomplishment of the mission.

Omnisys' ability to build suitable tools is based on a full understanding of users' needs. Thus, the tools provided by Omnisys contribute to the defense system's effectiveness. Managing combat requires situation reports of what is happening at every moment, and Omnisys succeeds in meeting this important need.

The ability to get a full, real picture of expected operational success at any given time enables managing defense assets, and makes detection and warning more effective. This operational picture provides information on gaps created in the defense system, either due to ongoing maintenance or degradation of performance due to various reasons, and provides solutions for filling in these gaps as soon as possible. The tools created by Omnisys enable early, fast and accurate detection.

## Battle Resource Optimization System

Omnisys is a full partner in ongoing operational activity, and pinpointing performance variation phenomena liable to occur during combat; hence, it knows where and how the utilization of resources and the tools at the operational consumer's disposal may be improved. This wealth of knowledge stems from a thorough understanding of required operational needs; thus, an optimal solution may be found even before the problem arises.

Omnisys manufactures user-friendly tools, based on the understanding that the potential user has little time to learn the system. Hence, the learning curve is short, and the system can be mastered within a very short time.

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