

Mivotherm®

Bird strike warning system



- Advanced warning in a matter of minutes
- Self-calibrating
- Fully automatic
- All-weather capable
- Day and night use



BAADER KONZEPT



We make it visible.



Mivotherm® at the airport

- Safeguarding air traffic near migration routes
- Active environmental protection
- Prevention of damage caused by bird strikes



Precisely predict the flight path of a flock of birds to protect aircraft against collisions: dream has become reality with Mivotherm®, the bird strike warning system from Carl Zeiss Optronics GmbH featuring accuracy down to the nearest second.

Every day, flocks of birds take off on their search for food or a place to nest. On top of that, 50 billion migratory birds head south for the winter every year. For orientation, these flocks often follow the highways of the air – rivers, valleys and coastlines. These landmarks often cross the air corridors of airports. With Mivotherm®, this hazard is detected and reported promptly based on an ornithological analysis. Around the world, bird strikes result in nearly one billion US dollars worth of damage every year.

The system is based on the highly sensitive, third generation thermal imagers from Carl Zeiss Optronics GmbH that have proven their capabilities in international operations. The early warning system classifies flocks of birds into hazard classes and immediately transmits this data to air traffic controllers.

The system takes the following parameters into consideration: size and number of birds, altitude, direction and size of the flock. Mivotherm® monitors both migration routes and particularly vulnerable areas.

The innovative early warning system was developed together with Baader Konzept GmbH. Unlike existing systems, Mivotherm® not only determines the current status, but also identifies the threat of a flock of birds minutes in advance – accurately and precisely down to the second.

In May 2009, Mivotherm® received the coveted Lilienthal Award presented by the German aerospace industry and will enter service at the Frankfurt international airport (FRA).

Mivotherm®



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