

**White Paper – Enterprise Edition of GEMOS „Next Generation PSIM“ – produced by *ela-soft*, powered by *BKS Connect***

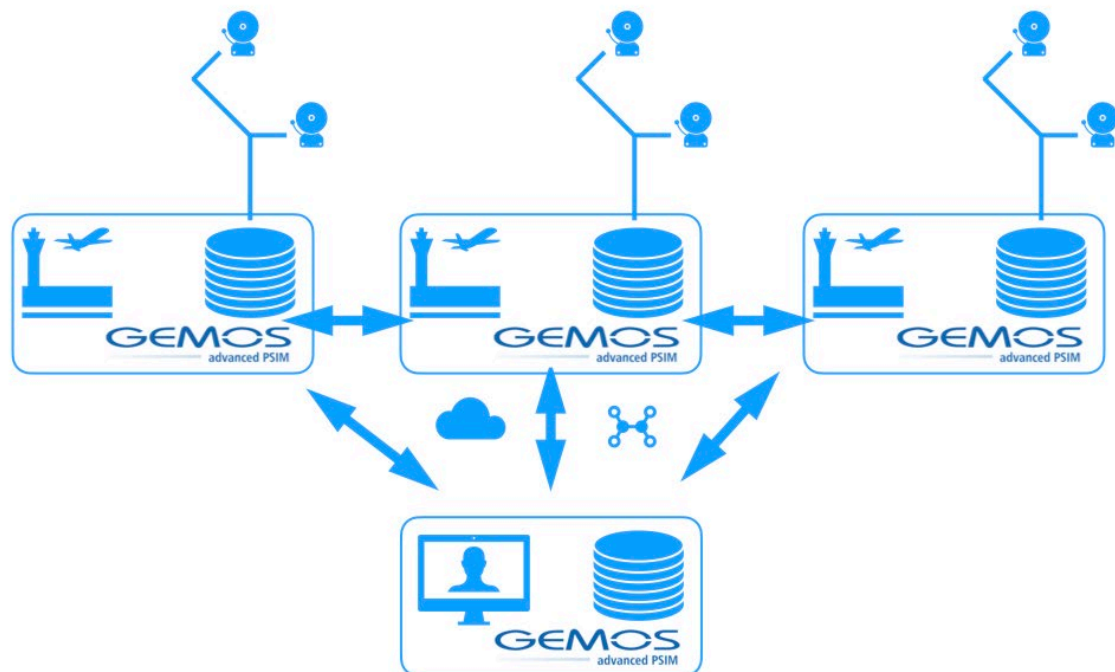
One of the key advantages of a connected Physical Security Information Management solution is the centralization of security sensitive information and the managed control of critical safety systems across multiple sites.

The Enterprise Edition of our leading browser based Physical Security Information Management solution GEMOS provides technically mature and well proven redundancy features and a real-time synchronization of alarms and event messages across multiple company locations.

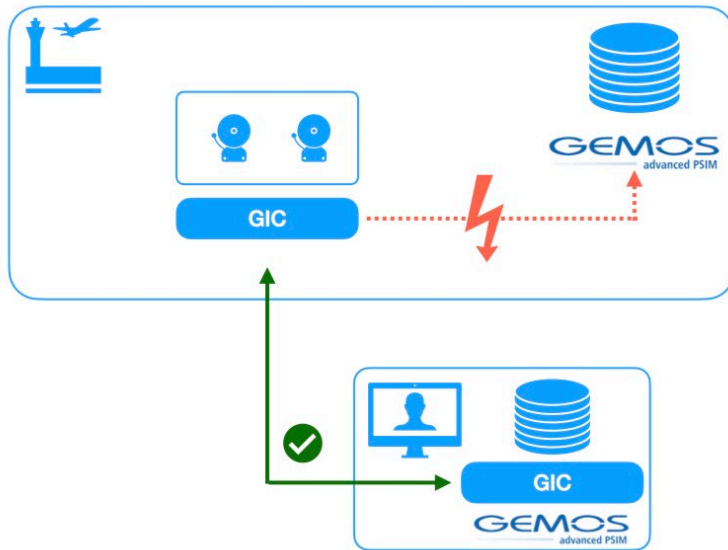
Due to our „redundancy by nature“ concept and the advanced technical solutions to achieve operational reliability also in case of partial or complete outages of sub systems, interrupted infrastructure fragments or even complete site blackouts we can ensure continuous control and response to alarms and events.

Not only the reliable data backup solutions and the intelligent data recovery approach for interrupted sites but also the functional integration with authentication and directory services generate a consistent value for enterprise installations at significantly reduced administration efforts.

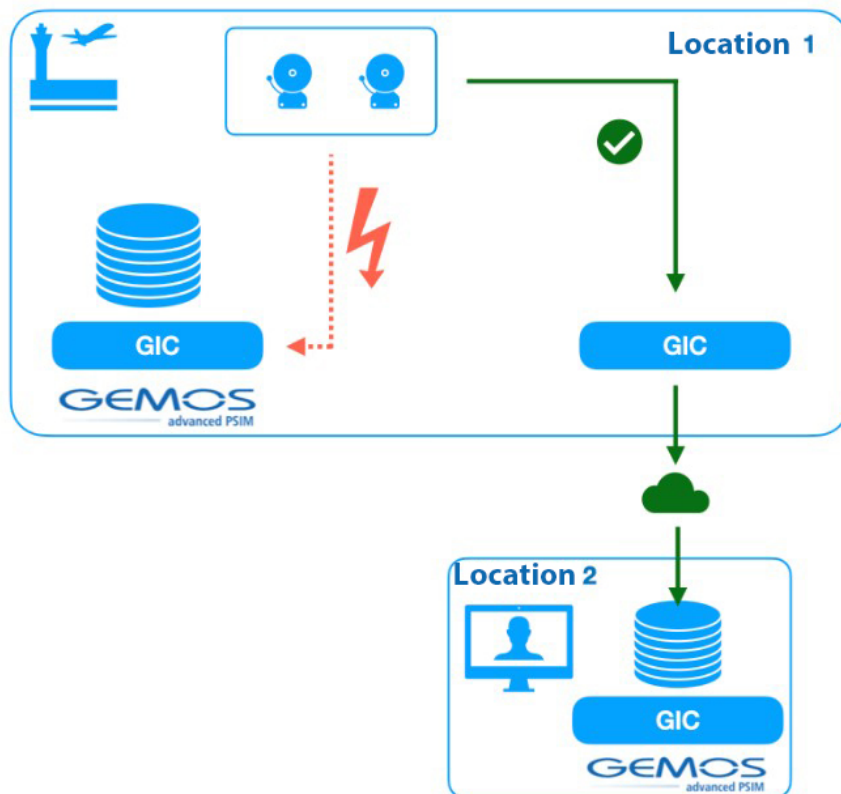
**Diagram: GEMOS cluster installation for multiple sites**



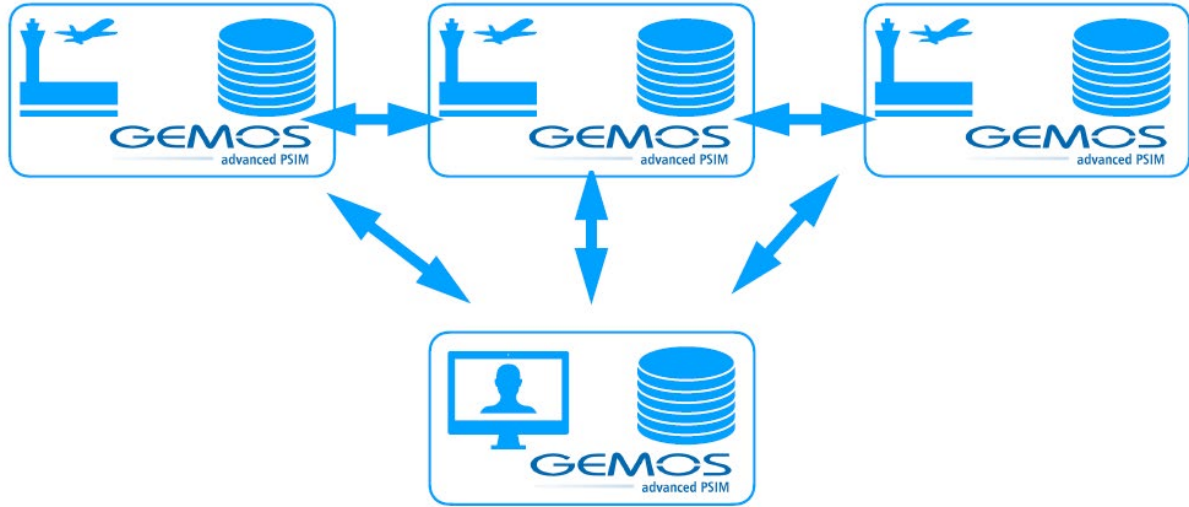
### Scenario 1: Local redundancy setup



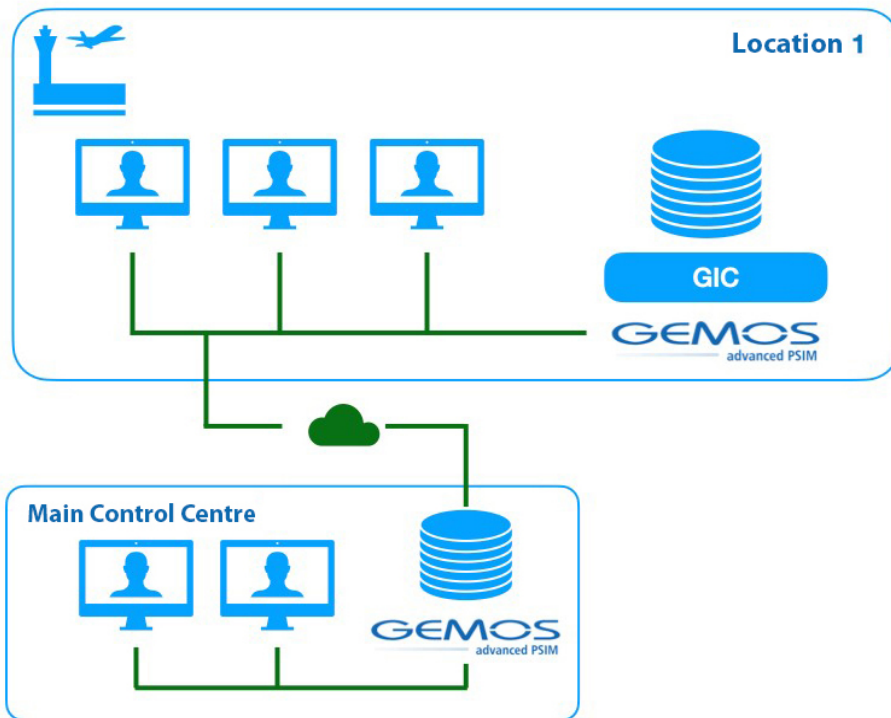
### Scenario 2: Blackout of one site and operational control failover to a secondary site



**Scenario 3: Recovery and synchronization after a site blackout**



**Scenario 4: Escalation of alarms and event messages / hierarchical response to incidents**



## Key enterprise features of GEMOS:

- Redundancy by nature approach for system database and sub-system integrations
- Highly available sub-system integrations on hardware and software layers
- High performance multi-master cluster interconnection of GEMOS sites
- Escalation matrix for full control, operational assignment and reliable response to alarms and event messages for one or multiple site scenarios
- Vendor and platform independent technology caters for efficient integration in existing IT landscapes
- Both scenarios of a central master control centre or site based control stations are fully supported in enterprise environments
- Hot backup options without system shutdown needs
- Centralized user control and integration with enterprise Active Directory standards for GEMOS user groups and user accounts
- Real-time synchronization of top priority alarms and event messages across all sites
- High operational reliability through an intelligent failover technology
- GEMOS cluster replication for a full recovery of interrupted sites without data loss
- Well proven solution with high IT security standards

## Proactive development of the GEMOS Enterprise Edition

The GEMOS core technology and all of the software and hardware components of the solution landscape are under continuous development in regards to the growing demands of our enterprise customers and the evolving market requirements that have been captured during well renown large international projects.

## Availability: GEMOS 5, Q2/Q3 2021

