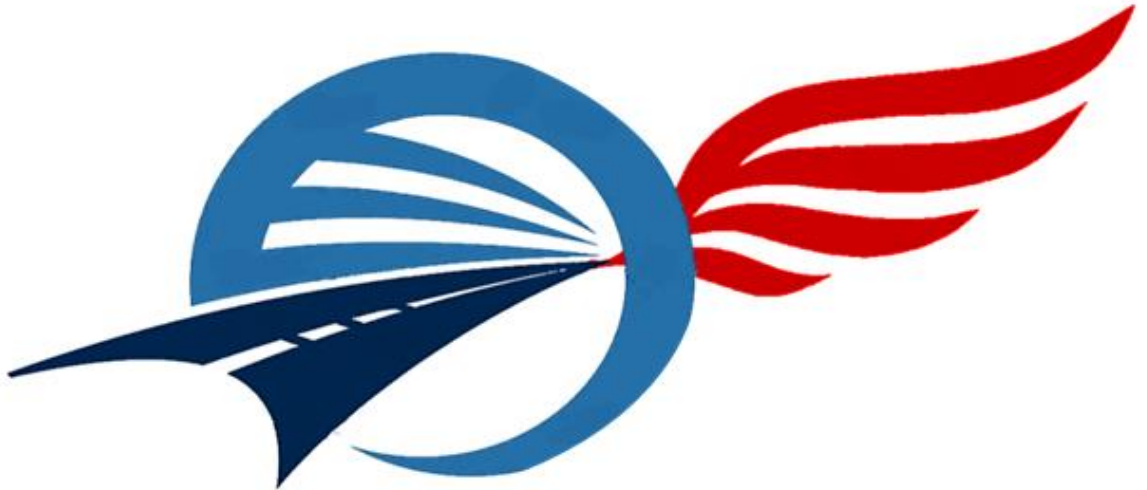


ANGEL



**ONE PLATFORM
FOR EVERY
CONTROL ROOM PROCESS**

OPERATION INTERFACE

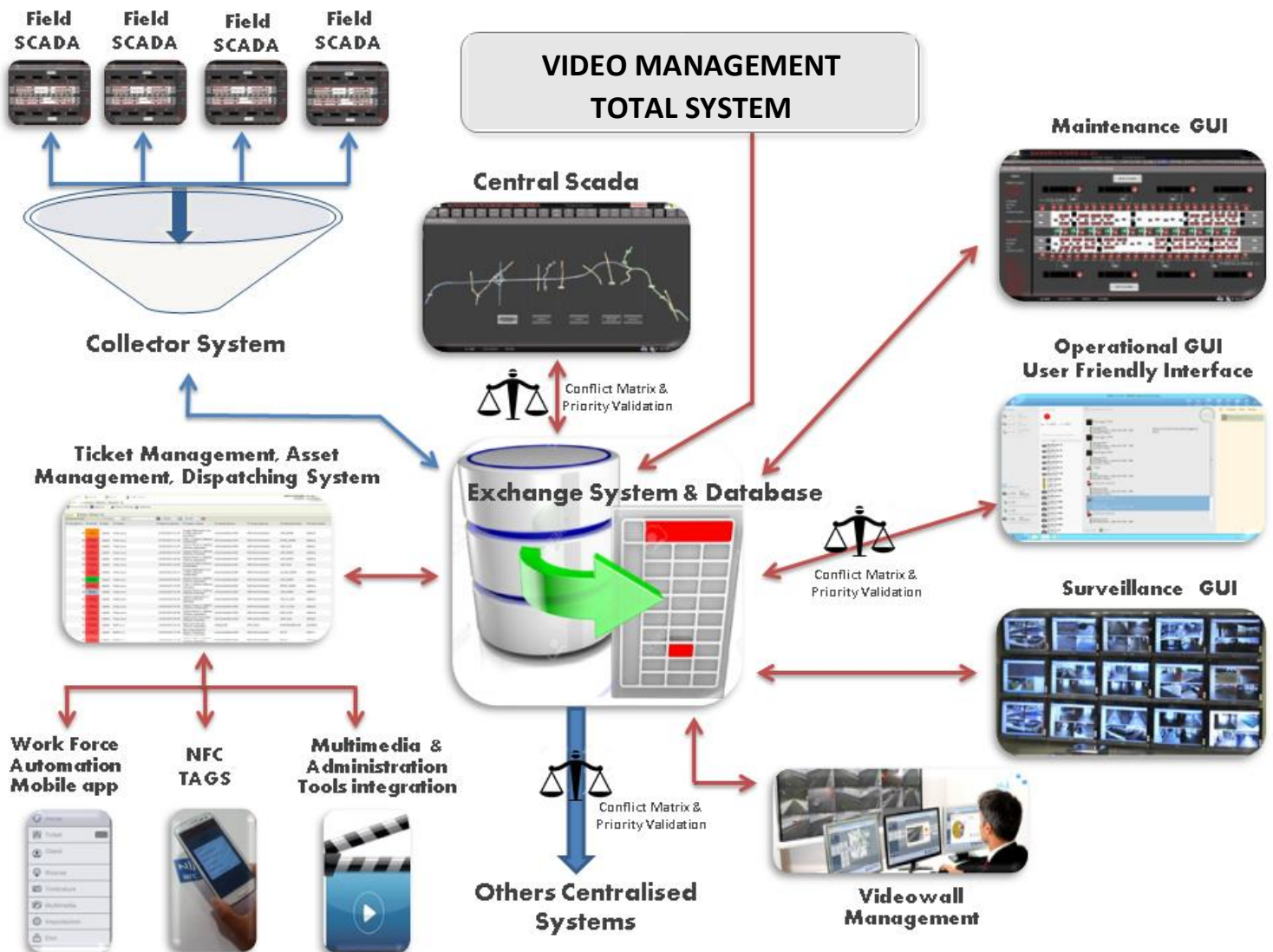
The screenshot displays the 'Angel' software interface, which is divided into four distinct functional zones, each highlighted with a colored border:

- ALARM ZONE (Red border):** Shows a list of active alarms. The top alarm is '1+804 Traffic jam Fast Lane' with a status of 'Allarme 352' and a timestamp of '4/1/2016 11:13:11 AM'. Other alarms include '0+000 Fault Electrical Cabinet Active', '1+804 Traffic jam Fast Lane', '1+919 Car stopped Corsia Marcia', and '1+919 Car stopped Corsia Marcia'.
- EVENTS MANAGEMENT ZONE (Green border):** Displays '7 Scenery in progress'. It lists various events such as 'Men At Work', 'Mess. PMV Rispettare Segnaletica Cantiere', 'Mess. PMV Lavori in corso', 'C.O.A.', and 'Radio Traffic', each with a progress indicator (e.g., 40%, 0%, 100%) and a timestamp.
- PROCESS MANAGEMENT PHASE (Orange border):** Shows a detailed view of a process, including '2 Comando', '2 Messaggio PMV', '2 Altro', and '1 Allerta Neve'. It also displays a 'Men At Work' event with a timestamp of '10/28/2015 2:48:03 PM'.
- PROCEDURE LIST (Blue border):** A vertical list of procedures and alerts, including 'Allerta Meteo', 'Allerta Neve', 'Chiusura traffico', 'Chiusura programmata', 'Code', 'Damage', 'Freccia Croce', 'Pericolo generico', 'Accident', 'Man AT Work Standard Maintenance Activity', 'Messaggio PMV', 'Mezzi neve', 'Traffic light', 'Soccorso meccanico', and 'Soccorso medico'.

One software platform for central control rooms for Motorway management operations with different GUI according to: TRAFFIC MAINTENANCE SURVEILLANCE needs

- Alarms manually or automatically generated by SCADA and AID sources, are displayed, managed and stored for reports
- Geographical range selections and direct management of communications with the field equipment
- Real time guide for process management, tracking of event management progress
- Back office functionality for procedure creation, event and alarm statistics, log and report management
- Direct dynamic video wall management

THE ARCHITECTURE

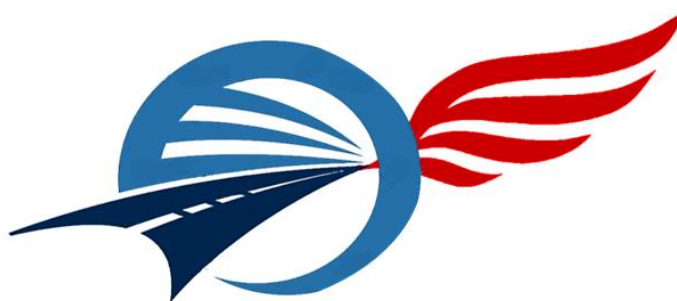


The architecture based on the central database allows relationships between different ANGEL solution software modules, in order to achieve the complete management of each process step. Some of the integrated functionalities are listed below:

- Work force automation
- Event dispatching system
- Fault Ticket tracking through the utilisation of NFC technology
- Document and Multimedia content management for reference
- Dynamic videowall management
- Maintenance planning
- Oversize load management
- Emergency and rescue calls

ONE PLATFORM FOR EVERY CONTROL ROOM PROCESS

ANGEL



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