AXIANS

BIDEYE
A MILESTONE + SATEL
plugin

developed by
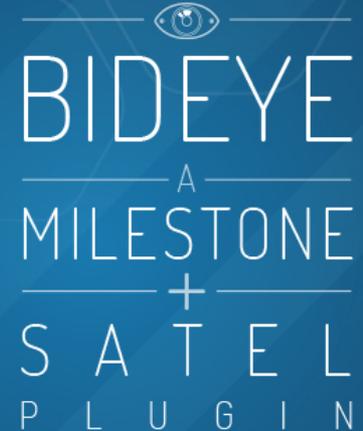AXIANS

VINCI ENERGIES

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BIDEYE PLUGIN

BIDEYE Plugin

Axians Brand id has developed a solution, first of its kind on the market, which allows the integration of SATEL Intrusion Detection units with Milestone Video surveillance solutions.

This solution stems from the need to combine the Milestone's capability to integrate third-party systems through its powerful MIP (Milestone Integration Platform) engine, with the versatility of SATEL plants in order to create a single control panel environment which complies with strict safety requirements, able to reach large, extensive sites without a control panel in a given territory.
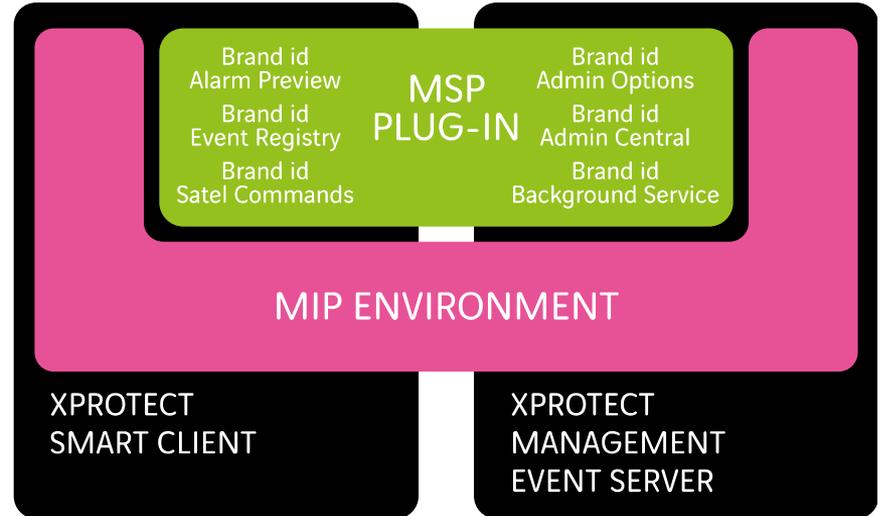
BIDEYE Milestone Plugin

Thanks to Milestone's native management of federation and the ability of the plugin created by Brand id to manage it, it is now possible to merge all events/alarms from the various SATEL INTEGRA control panel, thus "transforming" them as Milestone native events.
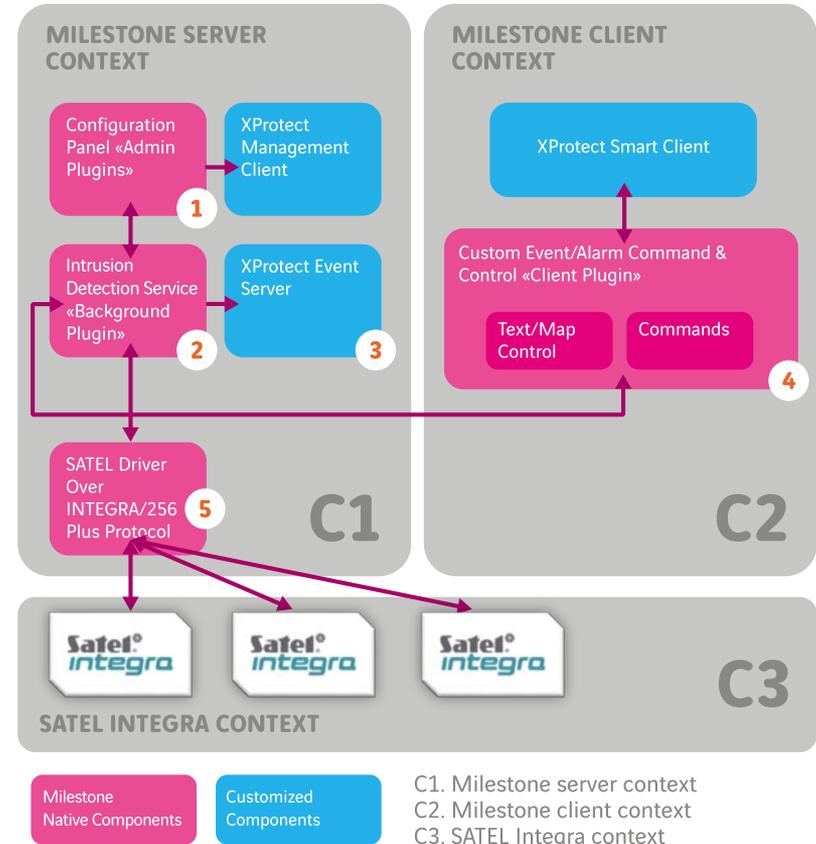
Once it has become a «native event», the event/alarm of the SATEL INTEGRA control panel can be used to trigger alarms, activate further events and/or complex management logics.

The Axians Brand id solution, moreover, allows the easy and intuitive production of standard or ad-hoc written reports.

Brand id
Alarm Preview

MSP
PLUG-IN

Brand id
Admin Options

Brand id
Event Registry

Brand id
Admin Central

Brand id
Satel Commands

Brand id
Background Service

MIP ENVIRONMENT

XPROTECT
SMART CLIENT

XPROTECT
MANAGEMENT
EVENT SERVER

BIDEYE Architecture

1. Configuration plugin that runs in Management Client developed for configuration purpose.
2. Integration core plugin that controls SATEL control panel and create/modify/delete Milestone native events.
3. Plugin reads Satel events/alarms and generates native Milestone events that pushes to Milestone Event Server.
4. In the Milestone Smart lives client plugins that controls control panel by text and map components.
5. SATEL/Integra driver that implements integration protocol commands. Currently we support firmware version ETHM-1 Plus v2.05 2018-07-06 and later.

MILESTONE SERVER CONTEXT

- Configuration Panel «Admin Plugins» **1**
- XProtect Management Client
- Intrusion Detection Service «Background Plugin» **2**
- XProtect Event Server **3**
- SATEL Driver Over INTEGRA/256 Plus Protocol **5**

C1

MILESTONE CLIENT CONTEXT

- XProtect Smart Client
- Custom Event/Alarm Command & Control «Client Plugin»
  - Text/Map Control
  - Commands **4**

C2

SATEL INTEGRA CONTEXT

Satel Integra / Satel integra / Satel integra

C3

- Milestone Native Components
- Customized Components

C1. Milestone server context
C2. Milestone client context
C3. SATEL Integra context

BIDEYE Implemented Satel commands

Command	Code	Package
List of new data in above cmds	0x7F	Standard
INT-RS/ETHM-1 module version	0x7C	Standard
Read device name	0xEE	Standard
Read Event	0x8C	Standard
Get event text	0x8F	Standard
Zones Violation	0x00	Standard
Zones Tamper	0x01	Standard
Zones Alarm	0x02	Standard
Zones Tamper Alarm	0x03	Standard
Zones Alarm Memory	0x04	Standard
Zones Alarm Tamper Memory	0x05	Standard
Zones Bypass	0x06	Standard
Zones No Violation Trouble	0x07	Standard
Zones Long Violation Trouble	0x08	Standard
Zones Isolate	0x26	Standard
Zones Masked	0x28	Standard
Zones Masked Memory	0x29	Standard
Output State	0x17	Standard

Command	Code	Package
Arm in mode 0	0x80	Silver
Disarm	0x84	Silver
Clear alarms	0x85	Silver
Zones bypass	0x86	Gold
Zones unbypass	0x87	Gold
Output On (anche da regole Milestone)	0x88	Gold
Output Off (anche da regole Milestone)	0x89	Gold
Read users list	0xE2	Platinum
Read self-info	0xE0	Platinum
Read User	0xE1	Platinum
Troubles*	0x1A…0x1F 0x2C…0x2D	Platinum
Troubles Memory*	0x20…0x24 0x2E…0x2F	Platinum
Users Management	0xE1…0xE7	Platinum

More commands will be implemented in the future.

*Available from February 2021

BIDEYE Features

Features	Plugin	Descrition
Multi control panel support	BIDEYE BACKGROUND	Every installation can manage multi control panel Satel.
Milestone Federation	BIDEYE BACKGROUND	Native support for FMA (Federation Milestone Architecture).
SATEL events configuration	BIDEYE ADMIN	Customer can configure SATEL events by single/multi granularity to reduce Event Server load.
Full configurability	BIDEYE ADMIN	Customer can configure all parametry by Milestone Management Console.
Events Control	BIDEYE BACKGROUD	All configured SATEL events are monitored and, if activated, pushed in Milestone Event Server.
Events Command	BIDEYE BACKGROUND BIDEYE ALARM PREVIEW	Customer can arm and disarm partitions, close alarms, bypass and unbypass zones directly from Milestone Smart Client.
Custom reports	BIDEYE REPORT	Customer can show costum report directly from Milestone Smart Client. Our solution use opensource Jasper Server as report repository.
Visual Map representation	BIDEYE MAP	Customer can show custom and manage SATEL event directly from Milestone Map. The zones and partitions are configured by BIDEYE ADMIN.
Users Management	BIDEYE USERS	Customer can add/delete/modify SATEL users direclty from Milestone Smart Client.
I18N Support	ALL	Internationalization. At the time, Italian and English supported.

SOME
SCREENSHOTS

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Alarm preview and closing form

Map representation

Map commands

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View of Reports

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Configuration Management Client
controls panels, zones, partitions, outputs

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Configuration Management Client
User Satel

Configuration and events selection

BIDEYE Licensing

Package	Description
BIDEYE-GAMG	Alarm monitoring from Satel Integra. Arm & Disarm Partitions and Clear Alarms, Map management, Export of PDF of SATEL event log, Zone management even if not alarmed, Bypass zones (temporany and permanently), Unbypass zones, includes Trouble cancellation*, Output activation, Output deactivation, Forced activation, and capabilities to use User Event to command SATEL outputs directly by native Milestone Rules engine. Includes 1 year corrective software maintenance(updates, patches, bug fixing)
BIDEYE-PAMG	Includes what is included in the Gold version + management of some alarms coming from Satel (includes Reading user data, Reading user list, Reading user lock, Reading user unlock, User deletion, User creation, User modification). * Available from February 2021
BIDEYE-MGP1Y	Corrective maintenance 1 additional year of BidEye software in Gold, Platinum versions.
BIDEYE-MGP3Y	Corrective maintenance 3 additional year of BidEye software in Gold, Platinum versions.

* Available from February 2021

Assistance		
Package	Description	Price
BIDEYE-AGPR	Remote activation of BidEye software in Gold and Platinum versions	On Demand
BIDEYE-AGPO	Activation of BidEye software in Gold, Platinum versions on-site	On Demand

CONFIRMATION OF COMPATIBILITY

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Milestone Verified

◆ milestone

Milestone Verified

Confirmation of Compatibility

Partner: BrandId

Partner Product: BIDEYE 2.1

Milestone Product XProtect® : *XProtect Corporate 2020 R2*

Date of Verification: *26/08/2020*

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Thanks

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