

Global EW Systems

EW Simulator

- EW Mission Libraries Preparation and Validation
- Mission Vulnerability Assessment
- EW Reference Data & Libraries for EW, Chaff & Flares
- EW Database Management

Avionic Onboard Software

Tornado, EH101, NH90, AWACS

- ECCM Software
- Transceiver Signal processing

Mirage 2000

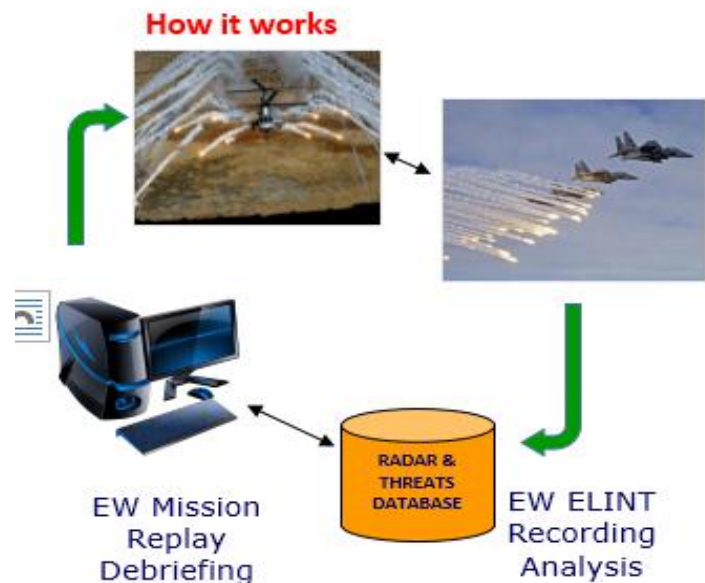
- Flight Recorder software
- ESM/ECM software

C27J, NH90

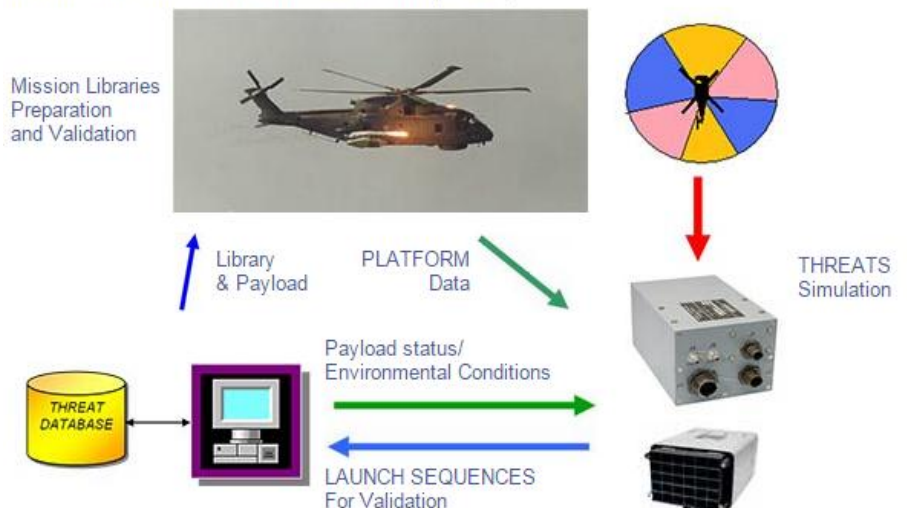
- Chaff & Flare Dispensers

Design and Development

- Real-Time on board SW, Signal Processing, Data Base.
- Design of Digital HW, RF, and MW subsystems.
- Design of Automatic Test and Validation equipment



CHAFF & FLARE Launcher of C27J, EH101, SIAP
LIBRARY DEVELOPMENT AND VALIDATION (CALDT)



Global UAV - INT Systems

SIGINT and ELINT for UAV

- Advanced, wide-band, low size and weight, software-based receiving system.
- Antennas concept is an innovative, wide band design that, in conjunction with special algorithms provides precise goniometric interception capability and high sensitivity.



Main features:

- *Detection of spread spectrum emissions*
- *Detection of ultra wide band emission*
- *Detection of signals under the noise threshold*
- *Super resolution algorithms for co channel emissions*
- *IED detection & Fast localization*



Antenna



Command & Control
COMINT database



Anti IED Techniques:

- Based on the land image processing and multiple sensors data fusion.
- **LIDAR/SAR, IR and Optical** image analysis from different heights and platforms: 3.000, 1.000 and 300 feet.
- **RF Gonio** for UAV and ground application communication



Mini UAV Strix C

Sigma Develops On Board Systems for STRIX-C