



# ASTER SYSTEMS FAMILY

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One single missile concept for many Air & Missile Defence applications:

### Ground Based Air & Missile Defence:

- SAMP/T in service with French Air Force and Italian Army
- 1 Export country

### Naval Self-Defence:

- SAAM/FR on aircraft carrier Charles-de-Gaulle
- SAAM/IT on aircraft carrier Cavour
- French FREMM frigates
- 4 export Navies

### Naval Local Area Defence

- PAAMS on French and Italian Horizon frigates
- Sea Viper on UK Type 45 destroyers
- SAAM ESD on Italian FREMM and PPA frigates
- 2 export Navies



## ASTER SYSTEMS FAMILY KEY FIGURES

- **3** domestic customer countries
- **6** export customer countries
- **12** customer forces (navies, armies, air forces)
- **78** weapon systems ordered or in plans, **55** delivered
- **21** systems for export
- **1800** missiles ordered or in plans, **1300** delivered
- **11** bn€ global investment (domestic + export) since 1990



## ASTER PROGRAMMES TIMELINE

- 1990** First French Italian FSAF Contract : ASTER 15/30 and SAAM (FR & IT) ,PAAMS(FR & IT) and SAMP/T development
- 1999** UK Navy launches PAAMS system development
- 2000** ASTER 30 Block 1 development contract
- 2002** First operational firing from the Charles de Gaulle aircraft carrier
- 2010** First Horizon frigates in operation with Aster 15 and Aster 30
- 2010** First TBM firing with Aster 30 Block 1 and SAMP/T\*
- 2011** First SAMP/T in service
- 2011** Italian Navy "Orizzonte" frigates deployed in response to UN resolution 1973 to enforce No Fly Zone over Libya coast line
- 2012** First firing against supersonic sea skimmer with Aster 30/PAAMS\*
- 2012** 5 years SAMP/T and PAAMS common support contract (pooling all 5 domestic customer forces together)
- 2015** Italian Army deploys SAMP/T batteries to relieve Patriot as part of NATO package to protect Turkey against missile attacks from Syria
- 2015** France, Italy, UK MoU for future sustainment of Aster family
- 2016** France and Italy joint Aster 30 Block 1 NT development and manufacturing

\*all trials to date against TBM and supersonic sea skimmers resulted in intercepts