

ESCO EMAS (Engineered Material Arresting System)

Perfect safety record: eight successful aircraft engagements



May 1999
SAAB 340 overrun
JFK International
New York, NY USA



May 2003
MD-11 cargo plane overrun
JFK International
New York, NY USA



January 2005
B-747 cargo plane overrun
JFK International
New York, NY USA



July 2006
Falcon 900 corporate jet overrun
Greenville Downtown Airport
Greenville, SC USA



July 2008
Airbus A320 overrun
O'Hare International
Chicago, IL USA



January 2010
Bombardier CRJ-200, aborted takeoff
Yeager Airport
Charleston, WV USA



October 2010
Gulfstream G-IV overrun
Teterboro Airport
Teterboro, NJ USA



November 2011
Cessna Citation 550, overrun
Key West International Airport
Key West, FL USA

- No injuries, with minimal or no damage to aircraft
- Developed: research partnership with/approved by the FAA
- Composed of blocks of lightweight, crushable concrete that safely stops airplanes that overshoot runways.
- Proprietary computer model predicts aircraft performance & design for most effective solution for each runway end
- EMASMAX, the third generation ESCO EMAS, offers increased durability, reduced maintenance, easier installation and extended product life
- The first, and currently only, engineered aircraft arresting system certified for airport runway safety areas that satisfies the FAA's Part 139 requirements.
- IFALPA, IATA and ACI are all on record as recommending deployment of arrestor systems such as EMAS when it is impractical to obtain the ICAO-recommended 240m RESA
- ICAO's implementation of The Global Aviation Safety Roadmap advocates the use of EMAS when airports cannot obtain 240m RESA per ICAO Annex 14
- ESCO's EMAS is installed on over 67 airport runways and over 45 airports worldwide, including Juizhai-Huanglong Airport in China, Barajas International Airport in Madrid Spain and Songshan Airport, Taipei City, Taiwan.

EMASMAX[®]
Maximizing Runway Safety 

ESCO-Zodiac Aerospace is a member of Zodiac Aerospace's Emergency Arresting Systems Division (EASD) and has been widely recognized as the world's leading authority on energy absorption for over 50 years, particularly in the area of military and commercial aircraft arresting systems. The company has diversified its business philosophy of "Mastering Safety in Motion" to include urban security and unmanned systems launch and recovery.

More information about ESCO's EMAS: www.emasmax.com Email inquiries: emasmax@zodiacaerospace.com

ENGINEERED ARRESTING SYSTEMS CORPORATION

2239 High Hill Road, Logan Township, NJ 08085 – USA. Tel: +856 241 8620 – Fax: +856 241 8621 – www.zodiacaerospace.com