CHICAGO EXECUTIVE AIRPORT

EMAS

INFORMATION **BRIEF**



A PASSIVE SAFETY SYSTEM

Engineered Materials Arresting System, or EMAS, is a passive safety feature designed to stop aircraft safely if they run off the end of a runway. The EMAS bed is made of specially designed materials that crush under the weight of an aircraft, slowing it down quickly and reducing the risk of damage or injury.

FACTS

- Runway excursions are **the most common type of aviation accidents worldwide,** representing **22% of all accidents.**
- An EMAS installation will stop most aircraft overrunning the runway at **up to 70 knots.**
- **No two runway ends are alike** – and neither are their EMAS installations. **Each system is custom designed** using a blend of data and engineering, factoring in a variety of factors including fleet mix, runway length and usable space.

TIPS FOR PILOTS

01. **KNOW BEFORE YOU GO:** Note EMAS locations in your **pre-flight planning** and cockpit **briefings**.

02. **IF AN OVERUN IS INEVITABLE:** **Continue deceleration** efforts and **maintain** centerline.

03. **FLY ANOTHER DAY:** Things happen. Insurance exists for a reason. **Airplanes are replaceable, People are not.**

LEARN MORE: WATCH AN INFORMATIVE VIDEO FROM RUNWAY SAFE.

