Landing Gear Systems

- **Brake Control with Antiskid and Autobrake**
- **Brake Temperature Monitoring**
- **Landing Gear Control & Indication**
- ***Smart*Stem® Wireless Tire Pressure Monitoring**
- **Integrated Systems including Nose Wheel Steering and Hydraulics Control**

The Landing Advantage

With over 65 years of experience, Crane Aerospace & Electronics is the market leading supplier of complete electronic systems for landing gear including the sensors and effectors. Crane can configure systems to support a variety of aircraft architectures including fully integrated solutions which are optimized to save weight and volume, and offer superior performance.

Take a look at the landing gear systems described on the back of this flyer, then let us help you configure the ideal system for your application.

Count on the Crane Aerospace & Electronics team

The Landing Gear Systems team is backed by the technical expertise and world-class design and manufacturing processes of Crane Aerospace & Electronics. Our technical strength, product reliability, innovative solutions, and commitment to lean manufacturing bring The Crane Advantage to our customers. All Crane Aerospace & Electronics products are ISO9001 and AS9100 certified to deliver quality you can count on. Whether you're looking for a standard or custom-designed landing gear system solution, Crane has the proven experience to deliver what you need.

You can also count on Crane Aerospace & Electronics for in-service support. We are committed to providing value through the life of the program with a product support organization that serves the needs of our customers worldwide.

Partner with Crane, your trusted market leader in demanding commercial aerospace, defense, and space markets. For more information or to request a quote, contact us at www.craneae.com.

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Product Lines

Brake Control Systems with Integrated Antiskid and Autobrake Functionality: Under the brand name of Hydro-Aire, Crane has been a leading supplier of brake control systems for more than 65 years. Crane's brake control systems are the industry standard for performance and reliability. Flexible solutions are available for evolving brake control system architectures. Solutions are available from basic conventional antiskid systems to fully integrated brake-by-wire solutions.

Crane's brake control systems can be integrated with ***Smart***Stem® Tire Pressure Indication Systems and Brake Temperature Monitoring functionality. These systems are available for all wheel configurations and aircraft types – large commercial, regional, business jet and military. System architectures can include either Federated, Integrated or Distributed electronics and may be configured with either hydraulic or electric brakes. In addition, packaging options include ruggedized electronics which can be installed outside of the pressure vessel, permitting system architectures that are optimized to save weight and reduce volume.


Brake Control Systems

Brake Control Hydraulics: Crane's complete line of hydraulic control valves, servo controls and integrated manifolds are known throughout the industry for high performance and reliability.


Hydraulic Components

Brake Temperature Monitoring Systems: Crane provides brake temperature monitoring systems which are either fully integrated within the brake control system, or the tire pressure brake management system.

Wireless Tire Pressure Monitoring Systems: Crane tire pressure monitoring systems feature ***Smart***Stem® Wireless Tire Pressure Sensors, which are used in conjunction with special axle-mounted equipment to communicate tire pressure and temperature directly to the cockpit or can be used with special ground support equipment (GSE). This technology is also available either fully integrated within the brake control system or with a stand-alone tire pressure brake management system. Crane tire pressure monitoring systems are the highest-reliability industry standard.

Landing Gear Control and Indication Systems: Under the brand name of ELDEC, Crane has been a leading supplier of landing gear proximity indication systems for more than 50 years. These systems use signals from our inductive proximity sensors which monitor the position of the landing gear and associated doors in order to annunciate landing gear position as well as control the extension and retraction sequence. In addition, these systems can include nose wheel steering electronic control, as well as hydraulic control, in order to provide a fully integrated system.


Landing Gear Control and Indication Systems

Nose Wheel Steering Electronic Control: Crane provides nose wheel steering control systems fully integrated within the landing gear control and indication system.

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