Simple~Effective~Seamless

DBL Engineering, LLC announces a breakthrough in LIFTING SAFETY!

What is it? The Boom-Safe Anti-Tip System (Patent Pending)

What does it do? The Boom Safe Anti-Tip System (BSATS) can virtually eliminate Tip-Over and Structural Overload Hazards associated with boom-supported lifting equipment, independent of the load being lifted.

How does it work? BSATS is the world's first **ACTIVE** anti-tip system for boom-supported lifting equipment that monitors both side- AND back-tip conditions. BSATS works similarly to the Anti-Lock Brakes that are installed on modern cars and trucks. By actively monitoring the overturning moment created when a load is being lifted beyond the base of the machine, or when side forces are acting to tip the machine over backwards, BSATS can detect the point at which a critical tipping moment has been reached, warning the operator and/or stopping those functions that increase the potential for tipping, while still allowing functions that increase stability to remain operable, or even proactively initiating them, in order to keep the machine stable.

What are the benefits of BSATS?
- **Simple**: The traditional system of angle sensors, limit switches, and high/low capacity selection switches is replaced by a single device (BSATS) to monitor/control machine operation, keeping the machine from becoming inadvertently overloaded.
- **Effective**: BSATS virtually eliminates machine tip over and boom overload hazards by ACTIVELY monitoring BOTH side- and back-tipping moments.
- **Seamless**: BSATS automatically adjusts the machine working envelope according to the actual load being lifted.

What kinds of equipment can BSATS be installed on? BSATS can be easily incorporated into the design of most any boom-supported lifting device, including Aerial Work Platforms, Mobile Cranes, Telehandlers, Truck-mounted Cranes and Buckets, Rough-terrain Cranes, Loaders, etc.

How can I learn more? Contact LeRoy Mietzner at 425-466-5851 or leroy.mietzner@dbleng.com, for more information.