



Case Study

AcraDyne's ergonomic XD Lift Assist is a revolutionary solution to the challenge of using large tools in confined, less-than-ergonomic workspaces

Ultimate Operator Safety for Lifting Large Bolting Tools

The confined workspace of a wind tower can present several problems when working with heavy-duty tools. Trying to maneuver, position, and operate tools can be awkward, non-ergonomic, and even dangerous.

A customer in Mexico was experiencing these issues. Working jointly with the customer, AcraDyne designed the portable, innovative XD Lift Assist, in direct response to the needs of the project — all on time and on budget.



Designed for tool suspension and use, the Lift Assist allows for easy maneuvering and easy handling and of equipment that otherwise would need two operators to position.

In addition to providing a solution that met all of the customer's needs, AcraDyne also provided usage videos, user manuals, and instruction on how to quickly assemble and disassemble the unit.

Need

Customer in Mexico needed an innovative tool-lifting solution that met their specific needs regarding weight, size, ease of disassembly/assembly, portability, and maneuverability for a wind tower application.

Challenge

The design needed to be simple and lightweight, yet robust enough to be transported and used in a challenging wind tower environment.

Solution

AcraDyne worked jointly with the customer under a tight budget and time frame to develop the HTXD Lift Assist, which met all customer requirements. In addition, the product was designed to fulfill many customer "wants," including paint color, wheel size, stabilizer placement, carrying bag, and materials.

Result

Product surpassed customer's expectations and is now used in projects in Mexico and South America.



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