



## AcraDyne® Case Study

A Division of AIMCO

After 6 months and 47,000 rundowns, AcraDyne's HT DC 8,100 Nm Extreme Duty Series tool dominates in a hub application that burned out seven competitor's tools in 24 hours

### Best in Class: AcraDyne Proves Excellence in Wind Tower Hub Bolting



Reliable tools are fundamental for fastening critical bolts in wind tower construction. Particularly in a wind tower hub that must transmit and withstand significant load, it is essential that bolting tools reliably and consistently meet strict tolerances. AcraDyne DC HT Extreme Duty tools not only are able to meet these exacting demands, but also have proven to be exceptionally durable.

A customer needed a better solution for fastening bolts in hub assembly and installation. The customer had previously invested in a tool brand that proved to be insufficient for the job. During a 24-hour period, the application proved strenuous enough that seven tools failed. Working through its local distributor, the company incurred an average repair cost of \$14,000 – \$16,000 per tool with a turnaround time of 90 – 120 days. The cost and downtime was detrimental to project deadlines and budgets.

AcraDyne met with the customer and determined that the HT DC AEP4B998100B Extreme Duty pistol tool, coupled with the Gen IV iEC controller, provided the rugged solution needed.

Six months and over 47,000 rundowns later, the tool is still in continuous operation and has required no servicing. The customer has made the determination that AcraDyne will be its tool choice going forward.

#### Need

Customer needed a high-torque bolting tool for tightening bolts during assembly and installation of wind tower hubs.

#### Challenge

A tool brand previously employed by the customer proved incapable of tackling the job and the customer had burned through 7 tools in a 24-hour period. A sturdier, more rugged tool was needed.

#### Solution

AcraDyne supplied a high-torque DC Extreme Duty Series tool — AEN4B998100B — to complete the application at 4,600 Nm.

#### Result

Six months and 47,000 rundowns later, the tool is still providing outstanding reliability. In conjunction with the AcraDyne iEC controller, the results are always accurate and traceable.



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Since 1970, AIMCO has been providing superior Global Assembly and Critical Bolting Tooling solutions for the Motor Vehicle Industry, AG/Off Road, Electronics, Aerospace, Energy Services, and General Assembly Industries.

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