

## case study

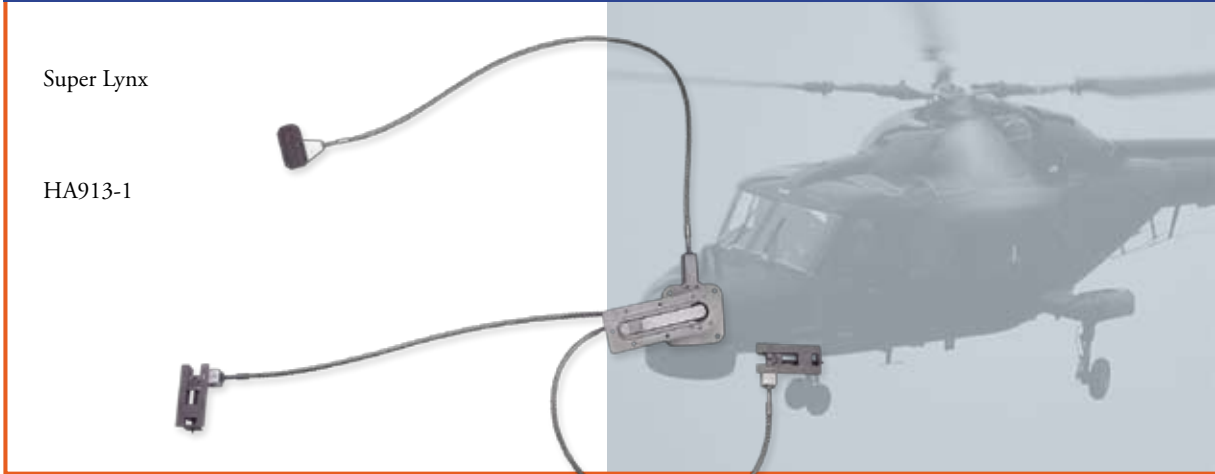
## dual pin & hook, full remote latching system

**installation eligibility**

Super Lynx

**part number**

HA913-1



**the problem** The upper latch points of the Super Lynx Helicopter nacelle did not allow for a visual inspection. It was difficult to assure that required latch points were properly closed and secured. Additionally, a two person team was required to open and close the nacelle with limited access in a restricted platform space.

**the solution** Through the process of Solutioneering and working closely with the customer, Hartwell's engineering team designed a fully remote three-point latch system that operates from a single handle. The system's design also includes additional safety features that insure proper operation with the added convenience of being functioned by one mechanic instead of two.

**the benefits** Because the system reduced the number of mechanics required to perform maintenance on the restricted space of the Super Lynx, man hours were reduced and work space was freed up. The upper latch points incorporate a design that provides a system safety lock-out feature if the latches are not properly engaged. This allows the operating handle to act as a flagging indicator that will not lock into the stowed position if any of the latch points are not properly closed. The system guarantees proper sequencing of the latches and the benefit of knowing the nacelle is secured after every inspection or service, further reducing the chances of operator error.

**for more information** For more information on this product and other examples of Solutioneering at work, contact Hartwell Corporation at 1.714.993.4200.



*Solutioneering at work*

