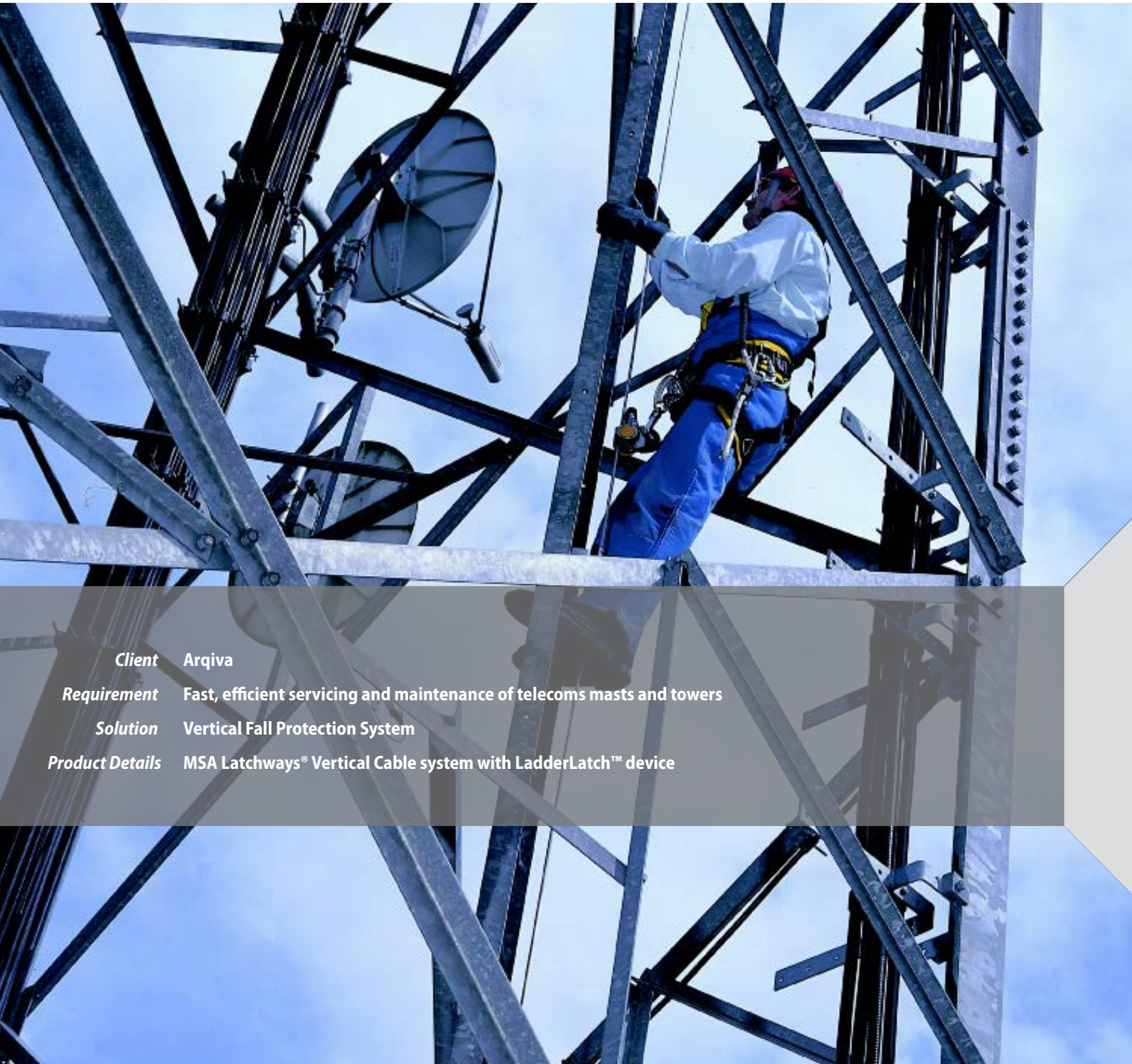


Case Study

Arqiva



<i>Client</i>	Arqiva
<i>Requirement</i>	Fast, efficient servicing and maintenance of telecoms masts and towers
<i>Solution</i>	Vertical Fall Protection System
<i>Product Details</i>	MSA Latchways® Vertical Cable system with LadderLatch™ device

*Because every life has a **purpose...***



Background

Arqiva provides much of the infrastructure supporting television, radio, satellite, and wireless communications in the United Kingdom; most of the UK uses its TV services.

Major broadcasters such as the BBC, ITV and BSkyB as well as independent radio groups, depend upon Arqiva to keep connected to their customers. Arqiva also provides connectivity for leading UK mobile network operators and many emergency services operators. Arqiva distributes content and data to homes across the UK and has a presence in Ireland, mainland Europe, the United States, and others.

Much of Arqiva's infrastructure consists of towers and masts, either freestanding or sited on top of buildings. Fixed and mobile telecommunications carriers and operators across the UK use these installations to connect end users to essential data and voice networks.



The Requirement

Arqiva plans to build hundreds of new structures to meet increasing national demand, as well as to maintain its existing 6,000 sites. Fast and efficient servicing and maintenance of masts and towers is key to Arqiva's continued success. Maintenance routines include stay tensioning, stay greasing, painting, lift maintenance, repairs, and capital enhancement projects. Every site requires access and fall protection is critical.

Arqiva sought to improve their worker access safety measures, leading them to find a more reliable replacement system.

As Dan Hobbs, Customer Delivery Manager, Mast Maintenance and Capital Works, Arqiva, says, "A core aspect of our operations

is to ensure the structural integrity, reliability and serviceability of every installation in accordance with legislation, codes of practice and established guidelines. To do this we rely heavily on our fall protection systems. We need to be able to trust their performance and, ideally, not use systems that require heavy maintenance themselves."

MSA already had an established reputation within the telecommunications industry, having provided vertical system solutions for AT&T, NTL, Orange, Deutsche Telekom and Vodafone, prompting Arqiva to contact MSA.

The MSA Solution

Arqiva's main considerations were that the system had to be:

- Safer than their existing solution
- Easily retrofitted to any contour
- Easy to maintain
- Easy to use

MSA Latchways® vertical cable-based systems fit these requirements perfectly and were chosen by Arqiva as their fall protection replacement.

Central to this system is Latchways LadderLatch attachment device, uniquely designed to travel smoothly over intermediate supports, enabling users to keep both hands free while working. In the event of a fall, the LadderLatch unit immediately locks onto the cable system and arrests the fall. Within the telecommunications industry, the Latchways system is a popular alternative to hooped ladders, devices that the **UK Health and Safety Executive (HSE) warns (in Safety Notice CCID 1-2012)** "may not be effective in safely arresting a fall without injury [and] do not provide positive fall arrest capability."

Every new structure that Arqiva erects is now fitted with MSA equipment. Arqiva has also implemented a program to retrofit the system to existing structures—typically between 17 and 20 yards (16 m and 19 m) in length and installed on t-spines.

Arqiva views MSA fall protection systems as integral elements of its installation strategy, requiring specialist subcontractors to incorporate these systems into design and manufacture of its telecommunications structures.



Benefits to Arqiva

- **Ease of installation**—Latchways registered installers can fit systems on to new build structures or as part of a retrofit, whatever the height or type of tower.
- **Meet all legal requirements**—MSA systems are fully compliant with current legislation and meet EN 353:1-2014 test standards.
- **Minimum maintenance**—Quality of materials results in reduced system maintenance
- **Close working relationship**—MSA provides ongoing technical support; design queries for different structural types can be addressed by an in-house design and specification team
- **Greater productivity**—Increased ease of use resulting in increased tower maintenance within shorter time periods

“MSA has more than taken care of our need to keep our workers safe at height. The “more” comes in the extreme ease of use and rapid installation of their vertical systems. Our maintenance tasks have to be rigorous but they also have to be completed quickly. The Latchways kit enables us to get the job done fast; and that makes a noteworthy contribution to keeping our operational expenditure within fixed guidelines.”

Dan Hobbs, Customer Delivery Manager, Mast and Capital Works – Arqiva

MSA—The Safety Company

All around the world, people work safely at heights thanks to MSA fall protection systems. With nearly 100 years of experience at the cutting edge of fall protection, MSA sets the standard for innovation, performance and quality. MSA is trusted to ensure worker safety on a wide range of buildings and structures, as well as throughout industries such as aerospace, oil and gas and energy and utilities.

Our Mission

MSA's mission is to see to it that men and women may work in safety and that they, their families and their communities may live in health throughout the world.

MSA: Because every life has a purpose.

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.



ID 4600-036-MC / August 207

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MSA – The Safety Company

1000 Cranberry Woods Drive
Cranberry Township, PA 16066 USA

Phone 724-776-8600

www.MSAafety.com

U.S. Customer Service Center

Phone 1-800-MSA-2222

Fax 1-800-967-0398

MSA Canada

Phone 1-800-672-2222

Fax 1-800-967-0398

MSA Mexico

Phone 01 800 672 7222

Fax 52 - 44 2227 3943