

PEAK TIMES MOMENTS

2023, edition 4
**WALES
READY FOR
COATING**

**MONTIPOWER®
CASE STUDY**
UNCOVERING VALUABLE
INSIGHTS

**WALES & WEST
UTILITIES**
THE LEADING UTILITY
COMPANY

**FIELD TRIAL
RESULTS**
BRISTLE BLASTING
VS GRIT BLASTING

MONTIPOWER
Surface Preparation Technologies
Part of Monti Group



PEAK TIMES MOMENTS

PEAK TIMES MOMENTS REPORT FROM WALES, UNITED KINGDOM

Peak Times Moments offers an insight into projects, activities and new developments in the world of MontiPower®.

These can be extraordinary cases, but they can also be test results, special activities, product innovations and marketing promotions.

The world of MontiPower® consists of a series of remarkable moments, or, as we say in the world of surface preparation: “Never a dull moment... always a Peak Times Moment”



This time, MontiPower® reports from Wales, located in the west of the United Kingdom.

A large, fluffy white sheep stands in profile on a grassy hillside, looking out over a vast valley. The landscape features rolling green hills, scattered trees, and a small town in the distance. In the background, there are more hills and mountains under a sky filled with large, white, fluffy clouds. The overall scene is bright and scenic.

***“NEVER A
DULL MOMENT -
ALWAYS A PEAK
TIMES MOMENT!”***

MONTIPOWER®

FIELD

TRIAL

In this Peak Times Moments, we visit an area with a mixture of cities, towns, villages and open countryside; Wales. Amidst this captivating backdrop, our latest field trial came to life, offering a profound analysis of a project that sought to explore the intriguing comparison of Bristle Blaster® VS Grit Blasting. This field trial, led by Kevin Jones, formerly the Senior Technical Manager at Wales & West Utilities, ventured into real-life scenarios,

KEVIN JONES - Formerly Senior Technical Manager, has amassed 41 years of expertise in the natural gas industry, including 16 years at Wales & West Utilities.

gathering data and uncovering valuable insights. With a focus on practical applications, this comprehensive analysis offers a fresh perspective for professionals seeking innovative solutions.



WALES & WEST UTILITIES

Wales & West Utilities, a leading utility company headquartered in Newport, Wales, operates in both Wales and the south-west of England, bearing the vital responsibility of delivering gas to over 7.5 million people across its extensive service area. With a strong emphasis on safety and reliability, the company ensures that its customers receive an uninterrupted gas

supply and round-the-clock emergency services for any gas-related incidents. At the core of Wales & West Utilities' mission lies a commitment to actively engage with the communities it serves, fostering a strong connection and

FIELD TRIAL RESULTS

promoting gas safety awareness. The company's dedication to environmental sustainability is reflected in its continuous investment in modern technology and practices.

The Bristle Blaster® field trial results, have yielded noteworthy outcomes. This innovative surface preparation technique

*“We have the Bristle Blaster for a few months now and have found it to be very useful in corrosion removal. It's **easy to use and environmentally friendly** as there is no grit requirement.”*

has demonstrated its effectiveness, showcasing distinct advantages over traditional methods like grit blasting. Kevin: “We have had this piece of equipment for a few months now and have found it to be very useful in small area corrosion removal. It's easy to use, is environmentally friendly as there is no grit requirement.”

Throughout the field trials, the Bristle Blaster® proved its proficiency in achieving pristine surface preparation, successfully eliminating coatings, rust, and corrosion on smaller areas without compromising the underlying substrate. The results revealed a reduction in surface roughness and profile, ensuring an ideal foundation for optimal adhesion of subsequent coatings. See the results on the next page.



Image: Wales & West Utilities



BRISTLE BLASTING vs GRIT BLASTING

BRISTLE BLASTING:	
Resource	1 workers
Prep. Works	20 minutes
Working Time	20 minutes
Clean-up Time	5 minutes
Consumables	Ground Sheets
Equipment	Bristle Blaster®
Environmental	No grit required
Safety	Atmosphere Check
Time 45 minutes (45 x1)	





CONCLUSION

Kevin Jones concludes that the Bristle Blaster® is a viable alternative to grit blasting for smaller surface preparation tasks. It eliminates the need for heavy equipment and minimizes dust contamination, making clean-up easier. Kevin recommends the Bristle Blaster®, particularly for tasks like small painting area preparation, corrosion removal, and damage assessment. He will mostly use the Bristle Blaster® for works requiring a SA 2 ½ metal finish.



GRIT BLASTING:	
Resource	2 workers
Prep. Works	60 minutes
Working Time	10 minutes
Clean-up Time	60 minutes
Consumables	1. Ground Sheets 2. Grit
Equipment	1. Pot and Gun 2. Machine 3. Tethered Hose 4. Compressor
Environmental	1. Contaminated Waste 2. Noise Levels
Safety	Air-fed PPE
Time	260 minutes (130 x2)

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