



From 30 Minutes to Seconds...

How Ghyston helped BMW Group Hams Hall speed up production and cut storage by 90%

Impact Highlights

- **Faster production** - QA no longer a bottleneck on the line
- **30× quicker image retrieval** - from 30 minutes to seconds
- **90% less storage** - 16.8TB reduced to 1.6TB per station
- **7 million images/year** processed with exceptional reliability
- **Engineers freed up** - focusing on analysis, not admin

The Challenge

At BMW Group Hams Hall, precision engine manufacturing depends on rapid quality checks using high-resolution images. But massive uncompressed TIFF files were slowing down access, filling storage, and holding back production efficiency. The team needed a faster, smarter way to handle millions of inspection images without losing detail critical to quality assurance.

The Solution

Ghyston built a bespoke .NET application that:

- **Compresses smarter** - 90% smaller files, same precision
- **Processes faster** - 800+ images per hour
- **Standardises data** - unified metadata across systems
- **Simplifies control** - intuitive dashboard, easy deployment

The Result

By removing a key bottleneck, the solution accelerated quality checks and kept production lines moving smoothly. It also laid the groundwork for advanced analytics, helping BMW maintain precision and performance at scale.

Get in touch with us today:



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