

asset_fit

Intelligent Infrastructure Monitoring

Smart, streamlined and highly configurable,
Asset Fit enables you to manage the condition
of your assets dependably and cost-effectively
– *now and long into the future.*



What is Asset Fit? A remote infrastructure monitoring solution that uses a combination of technologies tailored to 'fit' the unique requirements of your asset: be it a straightforward incident alert through to a fully integrated solution as part of a wider asset management programme. It offers:

▶ **Expert Consultation**

▶ **Streamlined Delivery**

▶ **Active Support**

For the following applications:

- **Structures**
- **Rail**
- **Highways**
- **Mining**
- **Facilities**
- **Dams & water supply**
- **Tunnels**
- **Ports & coastal**
- **Canals & rivers**



Why Asset Fit? *The future of asset management*

Reducing risk and related costs are fundamental to effective asset management. Asset Fit monitors the condition of your fixed assets 24/7, enabling you to identify potential problems before they occur while avoiding costly interventions at a later stage.

Asset Fit may be installed to protect all types of infrastructure – from essential utilities such as power stations, roads and railways through to river embankments and coastlines, or indeed any location that requires remote monitoring.

The Asset Fit investment:

- Employ fewer personnel to monitor and maintain your assets
- Minimise downtime of assets due to unforeseen structural issues
- Extend asset life and protect your investments
- Reduce expenditure by identifying problems early on
- Support infrastructure maintenance and retirement planning
- Record detailed incident feedback for safety and risk management reporting
- Fewer onsite personnel can improve health and safety and minimise your carbon footprint

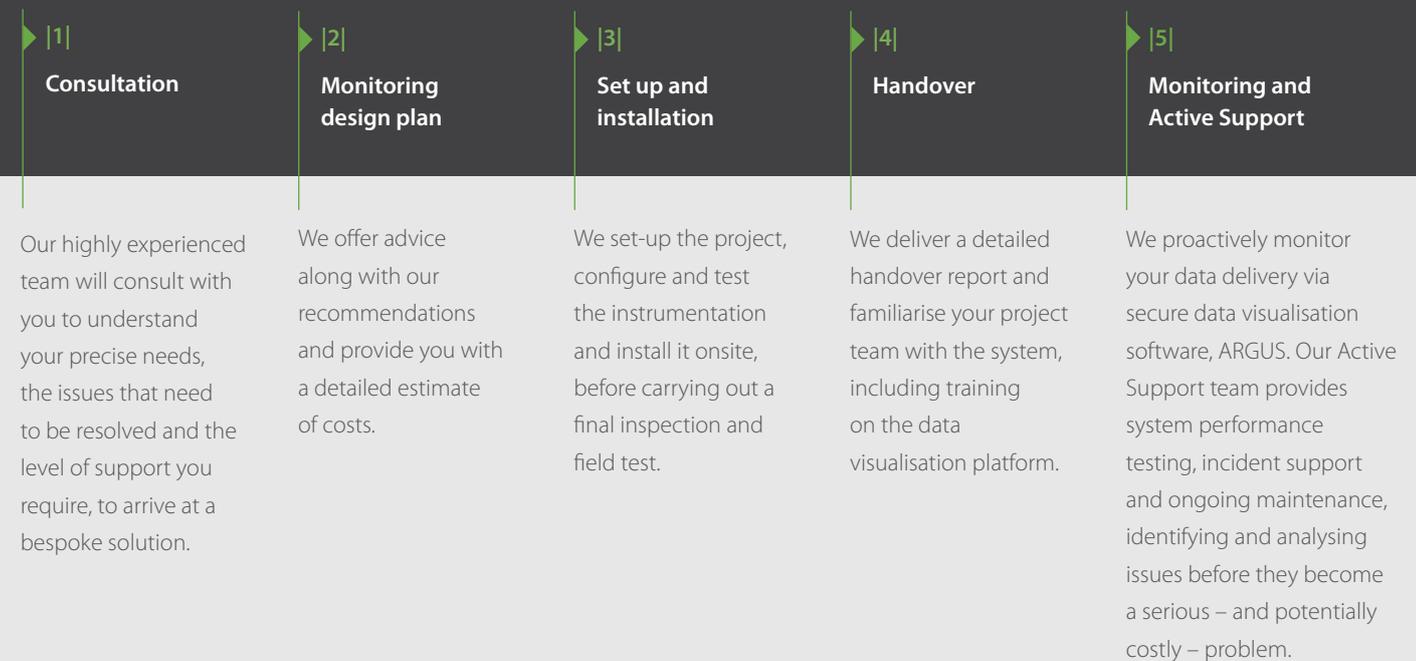
Supporting designers and engineers

Evolving technology means that remote data capture is at the forefront of asset management, and permanent monitoring now forms an integral part of any major infrastructure project. As well as benefiting the end user, Asset Fit supports both designers and engineers, as it enables them to offer their clients a permanent monitoring solution as part of their service. We are able to design and install a complete system from the ground up, or evaluate and update an existing one installed by another provider. We also offer a range of bespoke service and maintenance packages, either to fully-manage your monitoring capability, or to support your in-house team.

The Asset Fit Approach *Real expertise*

Selecting the right monitoring instrumentation for your needs is of critical importance. Whether you are a third-party provider or an end-user, Asset Fit equips you with the technology and expertise to deliver a world-class solution. In our experience, some 80% of monitoring problems result from poor installation, inappropriate instrumentation or misreading of data. Our engineers have an in-depth understanding of the products they install, and you can be confident that the solution we provide is fit for purpose.

The Asset Fit Approach *When introducing Asset Fit to an asset management project we work to a systematic five-step approach:*



The Asset Fit Team *Fundamental to our approach*





Managing your data

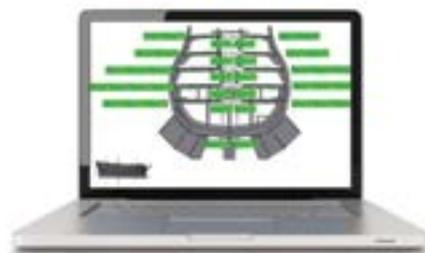
Your data is collected using an array of sensors and on-site cameras and is accessed remotely via a secure online dashboard. Functions include graphing, imaging, layering, reports, site overviews and, where required, GIS mapping – all of which may be aggregated into a single page or set of pages. Photographic images allow you to visualise your assets remotely, minimising the need for physical onsite monitoring. Our 'Active Support' team are also able to assess fluctuations in data – for example, differentiating between a genuine incident that requires attention and a simple spike caused by a temporary impact.

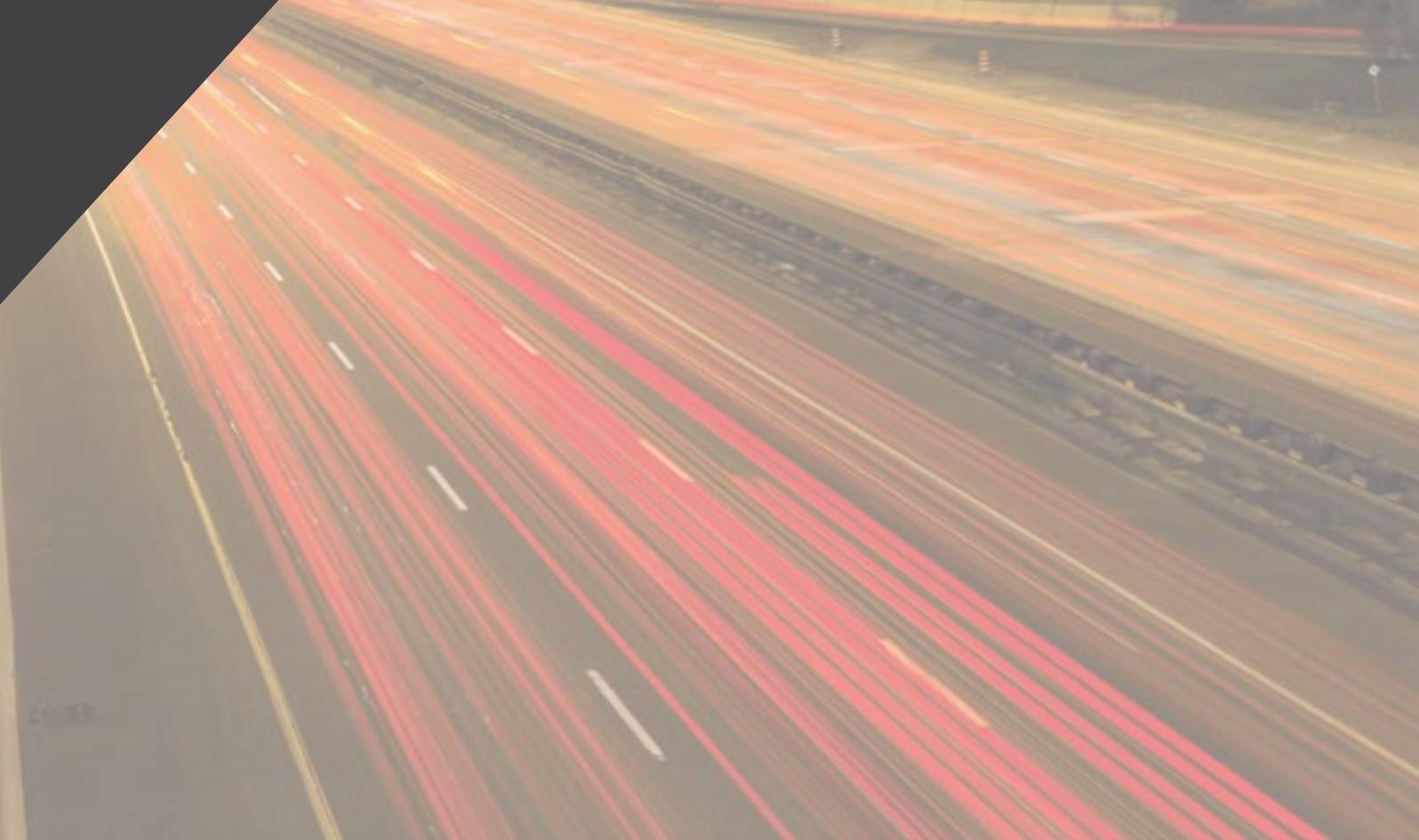
Own your data

The type of data recorded and the way it is delivered is highly flexible. Asset Fit software may be configured to process information in a variety of formats and multiple sites may be monitored and managed from any location. Data is then processed and presented to support vital decision making. Data may also be made available for use with other applications, such as asset management platforms. Importantly, with Asset Fit you own your data to store and use as you wish.

ARGUS monitoring software

Your data is presented through ARGUS monitoring software, a secure web-based data management and presentation tool. Its user-friendly graphical interface allows quick and easy interpretation of large amounts of instrumentation data from multiple sources. It is fully configurable to suit your unique requirements and accessible online 24/7.







Active Support

Asset Fit does more than just react to issues as they occur. By proactively monitoring your data, our Active Support team are able to identify and analyse issues before they become a serious – and potentially costly – problem. It enables you to focus on prevention rather than cure.

24/7 online access to your data

Your data is available to view online by multiple users on any computer or mobile device.

Never lose your data – back-up and archiving

Your data is automatically backed-up and archived daily at a secure offsite location. If required, your data can be stored at any other location of your choice.

Online knowledge base and support forum

Our extensive knowledge base and support forum gives you 24/7 access to expert advice.

Software updates

Software updates and patches are made without disruption to service.

Online helpdesk

Your package includes full support via email, phone and screen sharing. If required we also provide a 24/7 out-of-hours support service.

System check

We continuously check all incoming data from your monitoring system and resolve any issues as they arise. We also send you a weekly system report.

Data check

Our Active Support team will perform daily remote checks on data logger/sensor combinations, to assess if data is constant. This will highlight any issues with individual sensors on site.

Maintenance plan

We continually monitor your maintenance requirements and advise you well in advance of any work that may need to be carried out.

Active incident support

If an alarm notification is dispatched from your monitoring system, we will analyse it to establish its level of priority and advise you of any action that may be required.





ITM Monitoring – your geotechnical and structural monitoring partner

Asset Fit is a service provided by ITM Monitoring, a world leader in the design, installation, maintenance and support of geotechnical and structural monitoring systems. For more than 20 years, ITM Monitoring has played a critical role in major construction projects across the globe – including civil engineering, mining, rail and road infrastructures – setting the industry benchmark for monitoring excellence. ITM Monitoring's systems are underpinned by an accredited quality control system to deliver maximum reliability and performance, and our range of sensor and technology supply chain partners means we can install the 'best fit' system for any monitoring requirement, designed to withstand the challenges of the most demanding environments.

Managing assignments on a global scale

ITM Monitoring has worked on the majority of major construction projects that have taken place in the UK over two decades, as well as numerous high profile international projects. These include providing instrumentation and monitoring for Crossrail C701, Europe's largest civil engineering construction project, the M6 Toll, Jubilee Line Extension, CTRL, The Olympic stadium, Frankfield Loch and London Gateway Port, plus numerous Network Rail routes across the UK.



Nick Slater | Head of Asset Fit

If you have a monitoring challenge to discuss, contact the team today. We are always happy to share our expertise.

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