



Actemium SHUTTLE

Mechanized NDT of hollow axles & Special Engineering

 Solutions & Services for Industry



Actemium SHUTTLE – versatile, fast and reliable inspection

In situations where both speed, accuracy and reliability are essential, the SHUTTLE from Actemium is the right choice when it comes to ultrasonic inspecting of hollow axles.

Multitalented

With its **customized software, remote calibration, and defect display that pre-filters to exclude non-relevant results**, operation of the SHUTTLE is **intuitive** resulting in a **clear and easy-to-understand report**. It is also adaptable, with its **interchangeable probe systems**, optimized for certain diameter ranges, enabling **contactless and wear-free coupling** of wheel-set shafts from 25 mm upwards.

Speed is key

Thanks to its **compact mobility**, enabling rapid and flexible setup with just one metre of space needed, inspection times of just **ten minutes per axle** and **availability of 97%** (only 3% downtime for routine maintenance), **train downtime is kept to the absolute minimum**.

Reliability and service

Certified by multiple national railways, including Deutsche Bahn and Swiss Railways, the SHUTTLE is backed up by **multiple service promises**, including a **two-hour response time** for mechatronic queries, **next day delivery of spare parts, onsite inspection support** and a **24h guaranteed SLA**.

TOP FEATURES

- ✔ Certified by the German, Swiss, UK and Russian railways
- ✔ Interchangeable probe systems, optimized for certain diameter ranges, ≥ 25 mm
- ✔ Litigation-proof documentation
- ✔ Short inspection times enable minimum downtime
- ✔ Contactless and wear-free coupling via oil path

We'll
inspect
for you

Our **onsite inspection service** enables clients with limited inspection needs or **clients needing additional qualified personnel** support to cost-effectively fulfill their inspection requirements.

We have **all the necessary approvals and certifications** to do this, including personnel qualified in railway maintenance, and recognition as an NDT testing laboratory in the industrial and railway maintenance sector (according to DIN 27201-7).



Partnering for success

Our true strength lies not only in the highest quality hardware and software, but in our ability and willingness to form a true partnership with our clients to develop solutions that work for them.

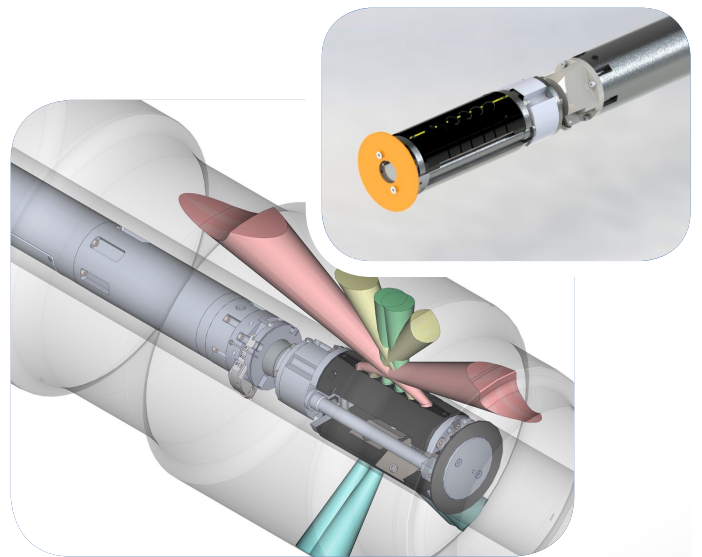
Special Engineering

No one project is alike, just as no client's requirements are the same as another's. Actemium provides state-of-the-art NDT inspection solutions that are tailored to ensure complete satisfaction.

No matter the shape or size of the test subject, Actemium can work with you to build an automated system to comprehensively and accurately obtain the required results.

Peace of mind

In addition, we provide absolute assurance thanks to our full array of services designed to cover any eventuality.



TOP SERVICES

- Service Level Agreement guaranteed
24h reaction time with just two hours
for mechatronic enquiries
- Train the trainer model
- Next day delivery of spare parts

- Remote maintenance service
including calibration
- Qualified mechatronic and NDT
technology engineers always on standby

More than axles

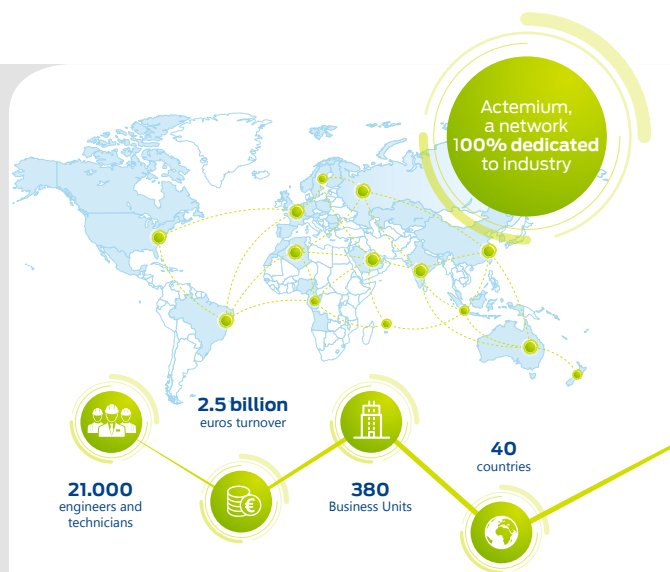
With over half a century's experience across the full spectrum of NDT technologies and industries, Actemium develops solutions to inspect a wide range of products and surfaces.

	Rotationally symmetric components - external inspection	Rotationally symmetric components - internal inspection	Flat components	Complex geometries (freeform surfaces / special geometries)
Hollow Axle Inspection System (e.g. SHUTTLE)		✓		
Rotor Inspection System (e.g. TURO-MAN)	✓			
Disk and Ring Inspection System (e.g. SIRO-MAN)	✓	✓		
Plate Inspection System (e.g. ARTUS)			✓	✓
Hollow Shaft Inspection (e.g. BORRIE)		✓		
Gantry-Solutions (e.g. UP-WIN)	✓		✓	✓
Immersion Tanks (e.g. GERRIE)	✓	✓	✓	✓
Inline Inspection Systems (Bars, Billets)	✓		✓	
Robots / Special Solutions	✓	✓	✓	✓

Type of material: metals (from A to Z), composite materials, clad and coated materials, base material and welds.

About Actemium

Present in 40 countries around the world, Actemium exists to improve our clients' industrial performance and competitiveness. Specifically, our NDT units provide both turnkey and a la carte solutions across all industrial sectors, including the transport, nuclear, aerospace, sheet metal fabrication, chemicals, petrochemical, food processing, pharmaceutical and healthcare industries, to support all stages of your NDT project.



We're at your service

For more information about SHUTTLE, including a technical data sheet, detailed specifications and applications or more about our tailored Special Engineering Solutions, write us at info.nds@actemium.de or call us on +49 (0) 911 9943-0.

www.actemium.com

