

Robotics-as-a-Service

Confined space inspection made easy



Introducing Robotics-as-a-Service: The confined space robotic inspection subscription service from Waygate Technologies

Robotics-as-a-Service (RaaS) delivers everything you need to implement robotic inspection – all for one annual fee. So, you can tackle confined space inspection with no human entry, no upfront capital expense, no complicated technology to learn, and no equipment to maintain.

With RaaS, you get the advanced technology of the BIKE platform and the pan-tilt-zoom (PTZ) camera with 3D LOC POLE, along with maintenance, repairs, and training. That means safe, high-quality, confined- space inspection, with no surprise expenses and no outdated tech – ever.

RaaS: Easier to use, easier to maintain, and easier to pay for



BIKE

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Benefits

Never be surprised by unpredictable expenses

RaaS moves robotic inspection from capital expenses (CAPEX) to operating expenses (OPEX), so there are no huge upfront costs. Packages provide predictable operating expenses and include both repairs and maintenance – so you won't be caught off guard by unexpected repair costs.

Access cutting-edge technology

RaaS includes industry-leading tech like the BIKE platform and the PTZ camera with 3D LOC POLE. We even create a 3D model (digital twin) to maintain your inspection data and track your asset performance. Combine this advanced technology with our automatically generated inspection reports and managing your assets gets a whole lot easier.

Get the training and support you need

RaaS is easy to use, which makes it easy to learn – and we provide all the training and technical support you need to get your teams up and running with robotic inspection.

Simplify the way you do confined space inspections

RaaS includes equipment use, maintenance, repairs, and training all in one annual fee, so you have everything you need to do robotic inspections – whenever you need to.

Say hello to your most efficient and productive employee

With RaaS, you get all the upsides of robotic confined space inspection – no human entry, no downtime, shorter planning cycles, automated inspection reports – with none of the downsides. It's always there when you need it, so you can investigate any event without delay. And if something goes wrong with the equipment, we'll have a new system on your doorstep right away.

Say goodbye to obsolete tech

With RaaS, you can be sure you're always using the latest equipment from Waygate Technologies because every contract renewal includes an upgrade to our newest equipment.



FAQ

What is RaaS?

RaaS, short for Robotics-as-a-Service, is a confined space robotic inspection subscription service from Waygate Technologies. It gives you access to robotic inspection equipment so you can perform high-quality visual and ultrasonic testing in vessels and confined spaces without the expense of purchasing equipment or the added stress and danger of human entry.

How does RaaS work?

We'll customize a confined space robotic inspection kit that fits your specific needs. If the equipment ever needs repairs, we'll immediately ship an identical kit, so you won't waste any time.

What does a RaaS subscription include?

- Cutting-edge robotic inspection equipment
- Free 3D model (digital twin)
- Training (1 day on-site, unlimited online academy training)
- Technical support (remote and 3 days on-site)
- Repairs (up to \$10,000 a year)
- Software and hardware upgrades
- Yearly maintenance and calibration (3-year contracts)

How do I get started?

Contact your local sales representative to learn more about how you can access robotic inspection with RaaS.

Can I trade in the equipment I currently own?

Yes, we offer a trade-in program for your current equipment to facilitate your transition to RaaS.

How much does it cost?

You pay for RaaS with an annual subscription payment. Contact us to discuss pricing and learn about our different RaaS kits, including our one- and three-year plans.

What if I need additional equipment?

Adding equipment is easy. Contact a sales representative to learn more about our RaaS offerings and how adding equipment will affect your subscription fee.



The Technology

The BIKE platform

Compact and ultra-mobile, the BIKE platform is a magnetic-wheeled inspection robot that can operate in the most complex environments. Its patented design allows for passing obstacles like steps and wall-to-roof transitions, enabling the robot to crawl hard-to-reach areas of vessels and pipes. With integrated navigation cameras and 3D position sensors, it delivers precise location information to pinpoint and track problem areas.

- Compact, ultra-mobile inspection robot
- Can be deployed through a 12-inch manway
- Able to pass convex and concave corners up to 90 degrees
- Easy deployment
- Fully remote controlled via joystick from a rugged control station
- Equipped with navigation aids
- Can be equipped with NDT sensors and pan-tilt-zoom cameras



The PTZ HD30 camera

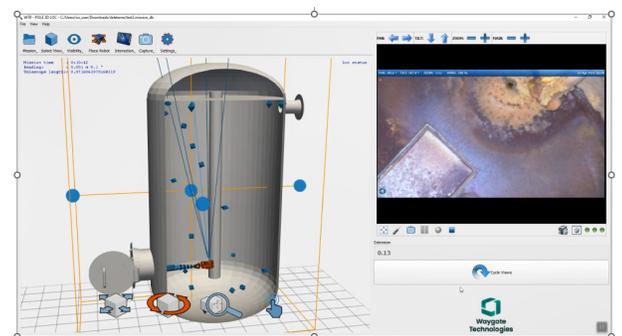
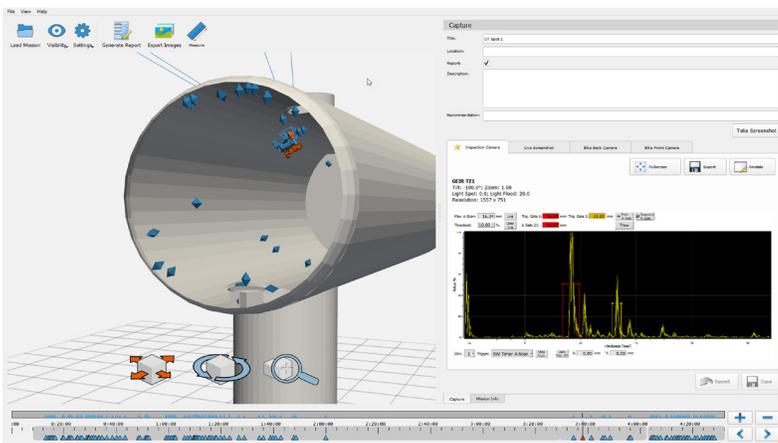
The PTZ HD30 is a powerful industrial-grade camera designed for remote visual inspections. The camera is equipped with a 30x optical zoom, which provides sharp, clear images even at long distances.

- 30x optical zoom
- Full HD image quality
- Noise-reduction and de-fog features
- Light LED output outperforms any other inspection camera on the market



3D LOC POLE

Our innovative 3D LOC technology provides full 3D spatial awareness of the robot in the asset. This makes control and navigation easy for the operator, while delivering the precise position of inspection data for integration with the 3D digital twin.



About Waygate Technologies

Waygate Technologies, a Baker Hughes business, is a global leader in non-destructive testing and examination solutions. With our broad product portfolio and dedicated, highly trained team, we've ensured quality, safety, and productivity in industrial settings around the world for over 125 years.

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