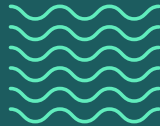


AccuLinx

Master Meter



Mechanics design for a new water meter register.

Expertise and domain knowledge

- Industrial
- Water
- Monitoring
- Product design
- Mechanics
- Mathematics



Our client asked:

Master Meter is a leading Automatic Meter Reading (AMR) technology innovator and water meter manufacturer, delivering technology focused solutions to the North American utility market. It approached Sagentia Innovation to design the mechanics for a new water meter register.

The project story:

Initially, Master Meter approached us to design the gearbox and enclosure mechanics for a water meter register based on a third party's six-wheel encoder. The brief called for a register that could fit on a wide range of meter bodies, from small domestic units to street mains.

As part of a two-year development, Sagentia Innovation carried out various phases of work on the design, in particular looking at the number of gears.

Our ability to design and develop both the intelligent science and the detailed mechanics behind the product enabled a smoother route to market for a real breakthrough development.

Contact us

info@sagentiainnovation.com

+44 1223 875200

www.sagentiainnovation.com

Results: deliverables and outcomes

AccuLinx, is contact-free and allows a common type of water meter to be read remotely for the first time.

Through a combination of mathematics and mechanics, we reduced the tooling outlay for the gear box variants by 90% and saving Master Meter millions of dollars.