



Lentic

The complete end-to-end IoT solution, "Fit for Water"

Becoming a digital utility is the next stage in the evolution of water utilities. With the pressures of climate change, a growing population, and rising customer expectations, it's more important than ever to embrace the power of digital technology to operate water and wastewater networks more efficiently.

Gone are the days when you needed to pay a fortune to buy various stove-piped systems from different vendors, pushed from another industry, which don't easily talk to one another let alone integrate with your corporate systems and cost even more to maintain or configure to your changing needs.

With Lentic you get it all in one system: a communications gateway, device management, meter data management, operational data store, analytics, integration layer through APIs to your corporate systems, artificial intelligence and machine learning.

The digital architecture for Lentic has been designed from the ground up by a water utility for water utilities, to ensure you can adapt to future technology shifts as well as avoid the dreaded 'vendor lock-in'. Lentic doesn't care which connectivity protocol or telecommunications provider you prefer.

South East Water has developed a unique end-to-end platform which enables its Digital Transformation journey. Designed to collect, visualise and analyse information transmitted from millions of in-field devices and combine that with data from enterprise systems and unstructured data such as social media feeds, Lentic will derive invaluable operational insights, utilise advanced analytics to provide

automated outcomes and meet ever-increasing customer and stakeholder expectations.

The platform is quickly stood up, easily integrates with your enterprise systems like billing, asset management, and customer systems. Native to Microsoft Azure, the platform is adaptable to your needs, and scalable so that you only pay for what you use and as you add more devices.

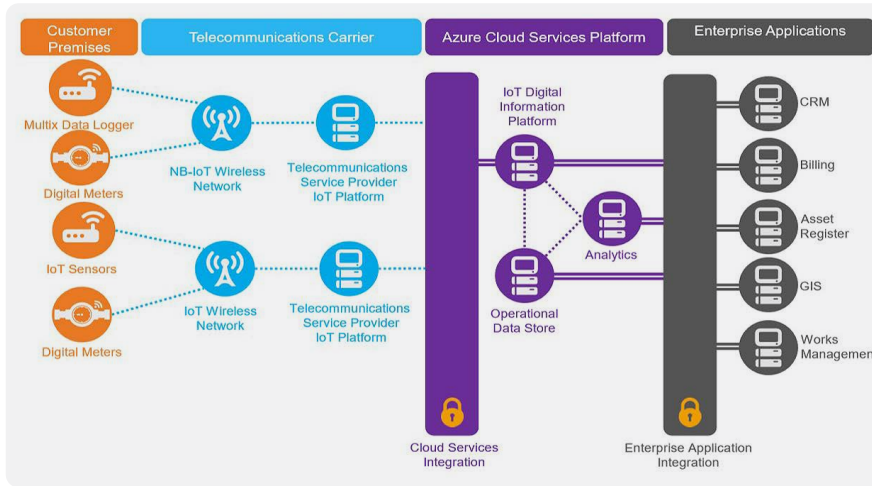
Real benefits for you and your customers

- Harness a proven fit-for-water solution to accelerate and de-risk your Digital Utility journey
- Bring together data, systems and business processes, in a way yet to be seen in the water industry
- Shift from reactive to predictive operations and maintenance
- Harness valuable insights from data, to optimise network health, streamline processes and better engage customers
- Build on the platform with Microsoft Azure's powerful machine learning and analytics capabilities to meet your business objectives
- Can be used as Platform-as-a-Service or whole platform can be licensed and extended in-house.

How it works

Our platform has been designed with open protocols and flexibility at its core, with:

- Multi-device capability
- Multi-telecommunication provider support
- Multi communication protocol inter-operability
- Integration with enterprise systems
- Customisable operator dashboards



Provide the right insights at the right time to your Operators



Why Lentic is the right platform for you

- Built with water utility use cases at its core
- Flexibility to build the solution you need
- Open IoT protocol support (NBLoT, LwM2M currently, but can extend to others)
- Works with any telecommunication provider, ensuring no lock-in
- Insights from utility-wide data sources enrich IoT device data
- PIs for customer, meter, and *similar* data
- Support enterprise data linkages; meter number, property address, customer ID and billing number
- Support low cost and long battery life in-field devices through LwM2M over NBLoT
- Device management
- Rules based Meter Data Management validation
- Real time and near-real time rules engine
- Alarms and events management
- API based integration to any third-party systems. Out of the box connectors make this easier than ever
- High-volume, high-velocity data ingestion and data validation
- APIs for customer, meter, and other data.



With flexibility at its core, Lentic is both telecommunications provider and device agnostic



Designed by a water utility to meet water utilities' data, analytics, operational and customer needs



The platform's comprehensive algorithms identify priority issues to operators in near-real time

The water sector will never be the same again

With our unique IoT solution, you can connect your massive network of sensors and smart devices to gather valuable information and transform them into actionable insights.

You now have within your grasp never-before opportunities to optimise your network built on new data understandings and automation, increased customer engagement, and transparency of services.



Who are we?

Iota is your water and wastewater innovation partner.

We're owned by South East Water, a Victorian, Australia-based water utility. We develop and commercialise innovations proven within the South East Water network, so we can bring them to organisations like yours ready to be deployed.



For more information,
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or visit iota.net.au