

# Long Range or Short Range devices? Why choose... use both.

MobiusFlow is the advanced middleware solution that connects, controls and communicates with a huge range of sensors and devices regardless of their connectivity type.

You may want to utilise LoRaWAN for long-range estate monitoring, receiving daily updates on water quality or silo levels. At the same time, leverage EnOcean's capabilities within your offices and buildings to monitor desk occupancy and air quality minute-by-minute.

Both LoRaWAN and EnOcean excel in their respective domains. And MobiusFlow seamlessly integrates these protocols along with many others into one powerful solution. With LoRaWAN's long range and low power, MobiusFlow centralizes all setup and configuration - saving you considerable time and resources.

By combining multiple systems through MobiusFlow's protocol-agnostic middleware, you gain an exceptionally robust system. One that delivers more choice, more scalability, accurate data, reliable connectivity, actionable insights, automated responses and comprehensive asset visibility running locally or in the cloud.



Join us in enabling the true value of digital connectivity

Visit [www.MobiusFlow.com](http://www.MobiusFlow.com) to find one of our approved solutions providers or contact us for more information.

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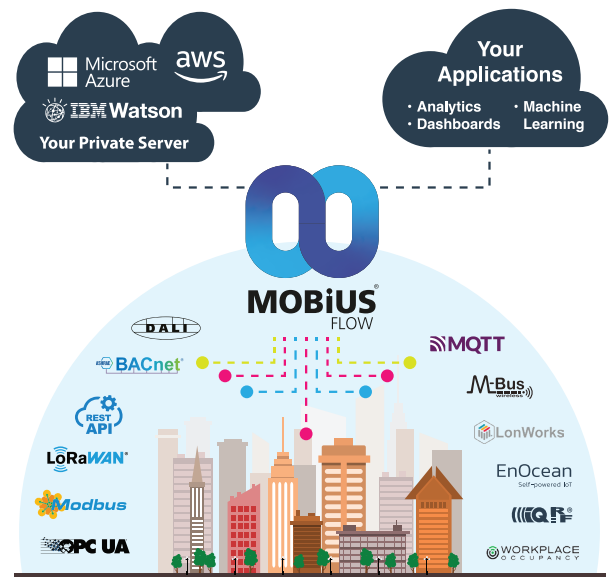
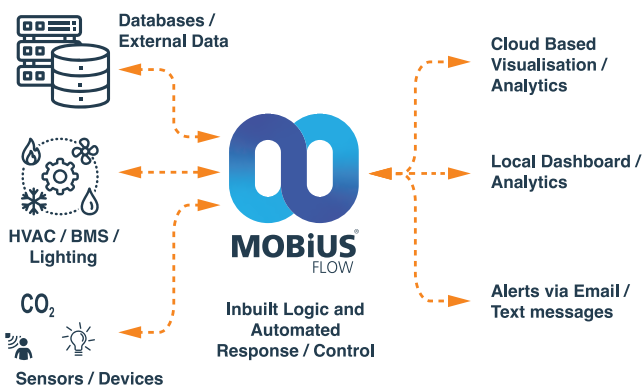
# A core component to your solutions.

**Mixed Protocol Usage** – MobiusFlow provides significant advantages to solutions that utilise LoRaWAN alongside other technology types, enabling these systems to operate and function cohesively in a unified manner.

**Data Normalisation** – If you were to use just Chirpstack on its own for example, you'd still be subject to the significant differences between how manufacturers choose to present the data coming from their sensors. As such, this would make your ongoing data pipeline messy and complex, as you would have to manually handle all this data in vastly differing ways. As MobiusFlow normalises all incoming data into the standard MobiusFlow object format, this problem is eliminated.

**Practical Convenience** – As we can run Chirpstack on the same machine as MobiusFlow and then access this remotely, this means the physical LoRaWAN gateways can just be there to act as a dumb signal relay, simply collecting the LoRa signals and sending them to MobiusFlow (Locally or in the Cloud). This means that if changes to the LoRaWAN configuration need to be made, such as adding / removing devices or correcting errors, this can be done fully remotely.

**Flexibility** – Remote configuration changes allows the solution to be very flexible. Additionally, and this goes for everything in MobiusFlow, embedded node-RED allows for very quick and powerful changes to be made to the logic on the system, as well as how data is flowing and interacting with itself.



**Scalable** – Once a flow has been tested and approved using simulated data (if required), the solution can be deployed, scaled and reused over and over like a 'cookie cutter' to ensure a return on your investment quickly. Adding devices and solutions in the future is a breeze and enables your sales team to upsell and expand their target market with more products, technology and solutions without encouraging a 'rip and replace' mentality.

**Logic, Local Control, Drivers** - Contained within MobiusFlow is logic, local control and device drivers which can handle the data in both directions - simultaneously sending data for analytics to dashboards or third party software locally or in the cloud, delivering instructions to control devices based on the response from those analytics.

**Expand Your Market** - By complimenting your existing systems (if you have them), MobiusFlow opens new revenue streams, drives business efficiencies, facilitates new business models, and can improve the way existing services are delivered across many different sectors. Choose the best sensors and devices for your solutions and expand your reach to new customers offering additional solutions to your existing user base.

If you would like to explore this further then please contact our UK Sales Director, Richard Marshall on 07712 596762 email [richard.marshall@MobiusFlow.com](mailto:richard.marshall@MobiusFlow.com) or visit [www.MobiusFlow.com](http://www.MobiusFlow.com) for more information.