



**DigifuelsLogic**  
Private Limited

**EMPOWERING UTILITIES,  
ENRICHING LIVES**

**Unleash the Future of Efficiency with  
Digifuels' Cutting-Edge Tech and Expertise**

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[www.digifuelslogic.com](http://www.digifuelslogic.com)



# EMPOWERING UTILITIES ENRICHING LIVES

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# Company Overview

Digifuels is a leading technology company specializing in network communication solutions, AI services, and software development for the utility domain. With a strong focus on the gas, water, and electricity sectors, we provide innovative and comprehensive solutions to optimize operations, enhance efficiency, and improve customer experiences. Our team of experts combines cutting-edge technology with industry knowledge to deliver reliable and scalable solutions tailored to meet the specific needs of utility providers.



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# Services and Solutions



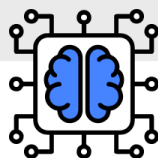


# Services and Solutions



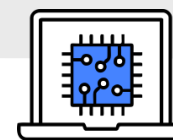
## Network Communication Solutions

1. Design and implementation of robust and secure network infrastructure
2. Network monitoring and management systems
3. Data center solutions and cloud integration
4. Internet of Things (IoT) connectivity for smart utility grids
5. Network security and threat management



## Artificial Intelligence (AI Services)

1. Machine learning algorithms and predictive analytics
2. Data mining and pattern recognition
3. Intelligent automation and process optimization
4. Predictive maintenance and fault detection
5. Energy demand forecasting and optimization



## Software/Integration Services for Utility Domain

1. Customer information systems (CIS) for billing and customer management
2. Unified Head End System (HES) for reading Meter Data and Reporting
3. Geographic information systems (GIS) for asset management and mapping
4. Energy management systems (EMS) for demand-side management
5. Mobile applications and web portals for customer engagement
6. Utility bill collection system

# Key Features

## Expertise in utility domain

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We understand the unique challenges and requirements of the gas, water, and electricity sectors, allowing us to develop tailored solutions that address industry-specific needs.

## Cutting-Edge Technology

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We leverage the latest advancements in network communication, artificial intelligence, and software development to deliver innovative and future-proof solutions.

## Scalability and Flexibility

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Our solutions are designed to grow with your organization, ensuring scalability and adaptability to changing business requirements.

## Data-Driven Insights

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By harnessing the power of data analytics and AI, we provide actionable insights to improve decision-making, optimize operations, and enhance customer satisfaction.

## Security and Reliability

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We prioritize the security and integrity of your data, implementing robust measures to protect against cyber threats and ensuring reliable performance.



## OUR VISION

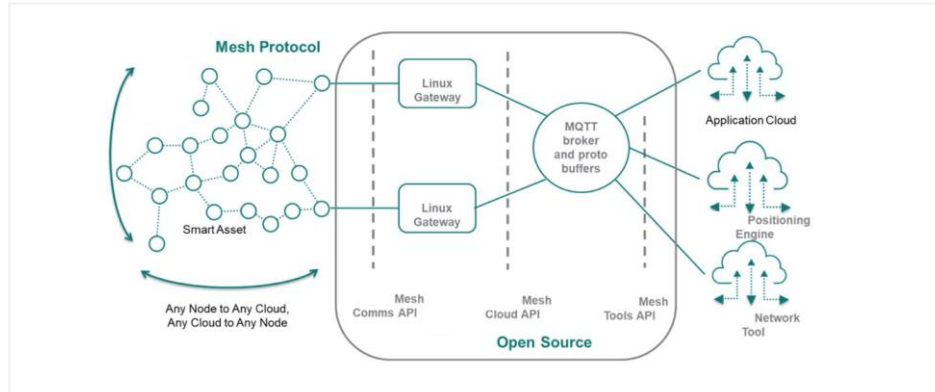


Our mission is to empower utility providers in the gas, water, and electricity sectors by delivering innovative network communication solutions, AI services, and software that enhance efficiency, reliability, and sustainability. We strive to be at the forefront of technological advancements, leveraging our expertise to optimize operations, improve customer experiences, and drive the transformation of the utility industry. With a commitment to excellence, integrity, and collaboration, we aim to create lasting partnerships with our clients, enabling them to thrive in a rapidly evolving digital landscape and contribute to a smarter and more connected world."



# Our Products ▶

# RF Mesh Network Solutions for Smart Meters



A de-centralized wireless communication protocol for devices. With the unique de-centralized operation, the devices contain all the intelligence. The devices themselves make all decisions locally and co-operatively. This enables the most reliable, optimized, scalable and simple to use connectivity for devices.

## Key Features

- Band – 865-67MHz RF module with antenna
- RF Mesh Protocol with Network Tool and OTA Single Platform for Multiple IoT applications
- High Reliability & High Availability
- Low Power & Low Latency
- Unique solution requiring No Network Survey,
- High speed at 100 KBPS and hop to hop latency of 10 mSec per hop (Unlimited hops)
- IS 15959 Part 1 and Part 2 Compliant

## Data Collection Unit (DCU) / Gateway



IoT edge gateway - a pivotal IoT component that acts as a bridge between edge devices and the central cloud infrastructure. It processes and filters data locally, reducing latency and optimizing bandwidth usage. Equipped with computation capabilities, it can run edge-specific applications. Edge gateways ensure connectivity in unstable networks by buffering and forwarding data. They play a crucial role in enhancing data processing efficiency, privacy, and overall IoT system performance.



### Key Features

- Custom DCU developed on Dell Technology
- Ubuntu 20.4/Microsoft windows 10 IoT Enterprise
- Rugged Machine to withstand temperature from -20°C to 60°C
- Reliable connectivity with 4G/5G dual SIM and WIFI 6E features
- Location awareness using GPS
- RF Mesh Dongle to support RF network
- External Casing compliant to AMISP Model Document

## Unified Head End System



A unified head-end system is a centralized platform that integrates diverse data sources and applications, streamlining management and analysis. It provides a cohesive interface for monitoring, control, and decision-making across various subsystems, enhancing efficiency and coordination in complex environments like industrial settings or smart cities.

### Key Features

- Works seamlessly on Energy, Water and Gas Meters
- Meter Agnostic
- Communication Agnostic (RF Mesh , Cellular)
- Communication Protocol (MQTT , DLMS)
- Reporting and Dashboard
- Compliance: IEC 61968-9

### Compliance

- IEC 61968-9
- Technical Specifications as prescribed in AMISP Model Document

## Meter Data Management

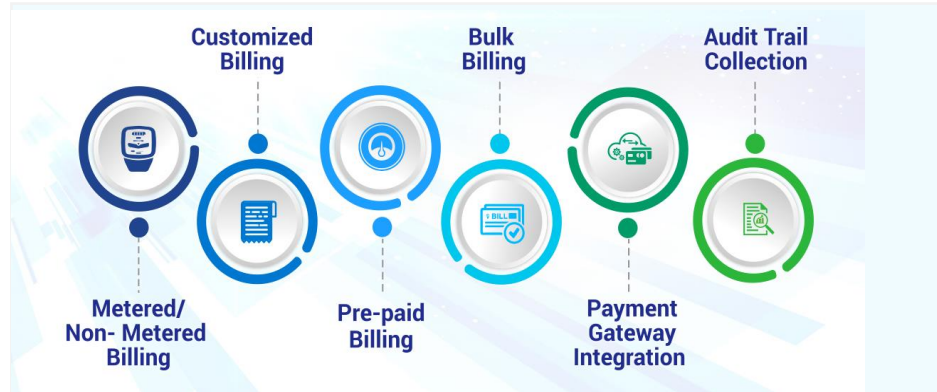


A meter data management system - software solution to collect, store, and process data from utility meters, such as electricity, water, or gas meters. It manages consumption information, detects anomalies, and generates insights for billing, usage analysis, and operational efficiency improvements within utility companies or facilities.

### Key Features

- Consumer Information
- Meter Audit
- Billing History
- Meter Health
- Consumer Mobile App
- Complaint Management
- Payment gateway Integration
- MDM for Water and Gas Consumers

## Utility Bill Collection



A utility bill collection system - a digital platform that automates the process of collecting payments from customers for services like electricity, water, or gas. It enables secure online payment options, tracks transactions, and generates receipts. This system enhances convenience for both customers and utility providers while ensuring accurate and timely bill settlements.

### Key Features

- Transaction management
- Franchise Management
- MIS
- Dispute management
- Center Management
- Reconciliation Management

## Street Light Automation



A streetlight automation system utilizes smart technology to control and manage street lighting. It employs sensors, timers, or remote control to adjust lighting levels based on factors like time of day, traffic flow, or ambient light. This system enhances energy efficiency, reduces costs, and contributes to safer and more sustainable urban environments.

### Key Features

- Frequency Band – 2.4 GHz
- Latency - sub-5 milliseconds latency per node
- RF Mesh Protocol with Network Tool and OTA Single Platform for Multiple IoT applications
- LOW POWER & LOW LATENCY
- Unique solution requiring No Network Survey
- Approx 500 Lights on each Gateway

## Home Smart Lighting Solution



A home smart light solution integrates intelligent technology to control indoor lighting. Using smartphones or voice commands, users can adjust brightness, color, and scheduling. It enhances energy efficiency, offers ambiance customization, and allows remote control. This solution contributes to modern, convenient, and personalized home lighting experiences.

### Key Features

- Dual Tone Lighting – Warm and Cool
- Multi Color Lighting – 16 Million Colors
- Google Assistant and Alexa Compatible
- Network - WiFi/RF Mesh
- Application – iOS and Android
- Dimmable
- Control from Anywhere

# Partners

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Wirepas

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EL SEWEDY  
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Power & Infra Consultants



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# Technologies

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The Oracle logo, consisting of the word "ORACLE" in white, uppercase, sans-serif font, centered on a solid red rectangular background.

# Conclusion

Digifuels is a trusted technology partner for utility companies, offering network communication solutions, AI services, and software tailored to the gas, water, and electricity sectors. With our expertise and cutting-edge solutions, we help utility providers achieve operational excellence, drive efficiency, and deliver superior customer experiences in an increasingly digital and interconnected world.



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## GET IN TOUCH

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