

## Overview

Youtilita – Utilities For You is a smart, intuitive, and user-friendly energy price comparison and contract management portal built to simplify how Energy Brokers (sub-Brokers) manage and switch their customer's utility contracts. Designed to streamline the process of generating quotes and finalising energy contracts, Youtilita serves as a comprehensive solution for electricity and gas contracts for UK-based businesses.

This full-featured web application was developed using Laravel (PHP) and MySQL, and it is supported by robust background processing with Supervisor. The portal also integrates with several third-party APIs, including UDCore, DocuSign, Address validation API, Bank Validation API, Companies House, and the UK Charity Commission, ensuring real-time, accurate, and regulatory-compliant data handling.

Industry

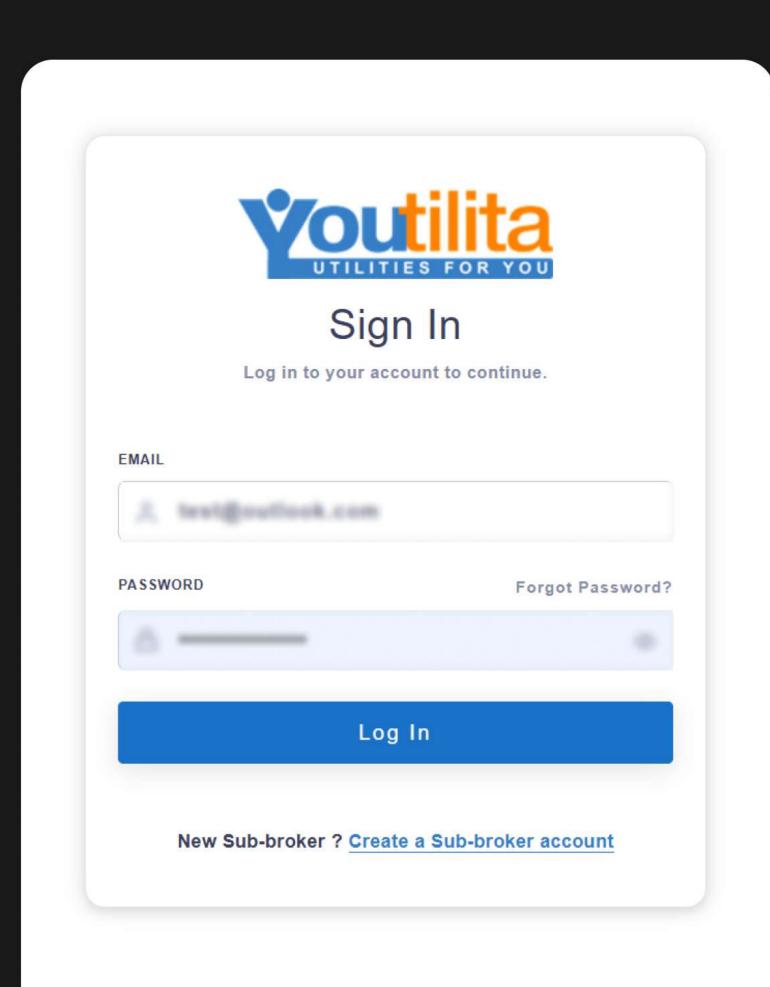
**Energy Comparison &** Contracting

Platform Type **B2B Web Portal**  Technology Stack

Laravel, MySQL, Supervisor, DocuSign, UDCore API, Company Search API, Charity Commission API, Bank Validation API

## Challenge

- 01 Provide fast and reliable electricity/gas quotes
- 02 Enable easy selection of energy suppliers and plans
- 03 Facilitate smooth digital contract generation
- 04 Streamline business and charity data validation
- Offer a secure and accessible customer portal for 05 contract management and support



## Solution Architecture & Workflow

**Supplier & Contract Details** 

from a dynamic list

consumption data

Enter their gas/electricity

Choose their current utility supplier

Specify the contract renewal date

Select the current payment method

## **User Input & Address Lookup**

- MPAN (Meter Point Administration Number)
- MPRN (Meter Point Registration Number)

#### **Business/Charity Information** Retrieval

- For companies, the platform uses the Companies House API to fetch official business details.
- For charities, the platform queries the Charity Commission API to retrieve registered charity data.

# **Digital Contract Generation**

- Download a PDF of the contract Sign digitally using DocuSign
- integration, with automated email notifications and audit trails

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## **Plan Comparison Engine**

 Using real-time data pulled from the UDCore API, the platform displays available energy plans from multiple suppliers. Users can compare rates, terms, and features before selecting the most appropriate plan.

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# **Customer Portal & History**

- View all previous contracts Monitor contract status
- Receive notifications for renewals or updates

# **Ticketing System for Support**

- Raise support tickets
- Track status and responses
- · Communicate directly with the support team within the portal

# Technical Highlights

# Laravel Framework

for rapid development, clean architecture, and scalable backend operations

# **MySQL**

for fast, structured, and reliable data storage

# Supervisor

to manage background jobs like API calls, email dispatching, & DocuSign processes

# **UDCore API**

Integration for supply details lookups and live plan retrieval

### Companies House & **Charity APIs**

for validated business and charity information

### **Address and Bank Account Validation API**

integration to validate bank account details and address.

#### Control (RBAC) to ensure data security and

**Role-Based Access** 

appropriate access levels

### **DocuSign Integration** for legally binding electronic

signatures

#### **Ticketing System** Module

built in Laravel for customer support

# Impact

contract process for UK businesses and charities. The platform provides:

Since its launch, Youtilita has significantly simplified the utility

A faster quote generation process (under 3 minutes)

Reduced administrative burden for businesses

- Verified and compliant contract processing
- Better visibility into historical contracts
- Streamlined support communication

Youtilita represents a perfect blend of modern web technologies and essential business integrations. It delivers a hassle-free, transparent, and intelligent utility management solution for SMEs, charities, and corporate clients.

Conclusion

With scalability, compliance, and user experience at its core, Youtilita stands out as a forward-thinking utility comparison platform built for the digital age.