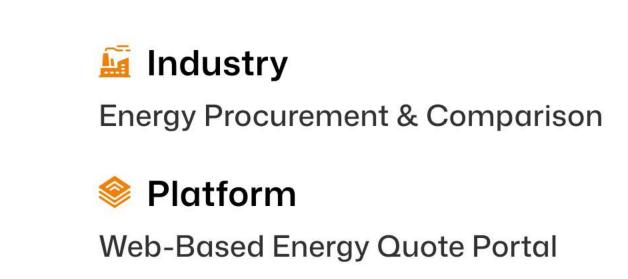
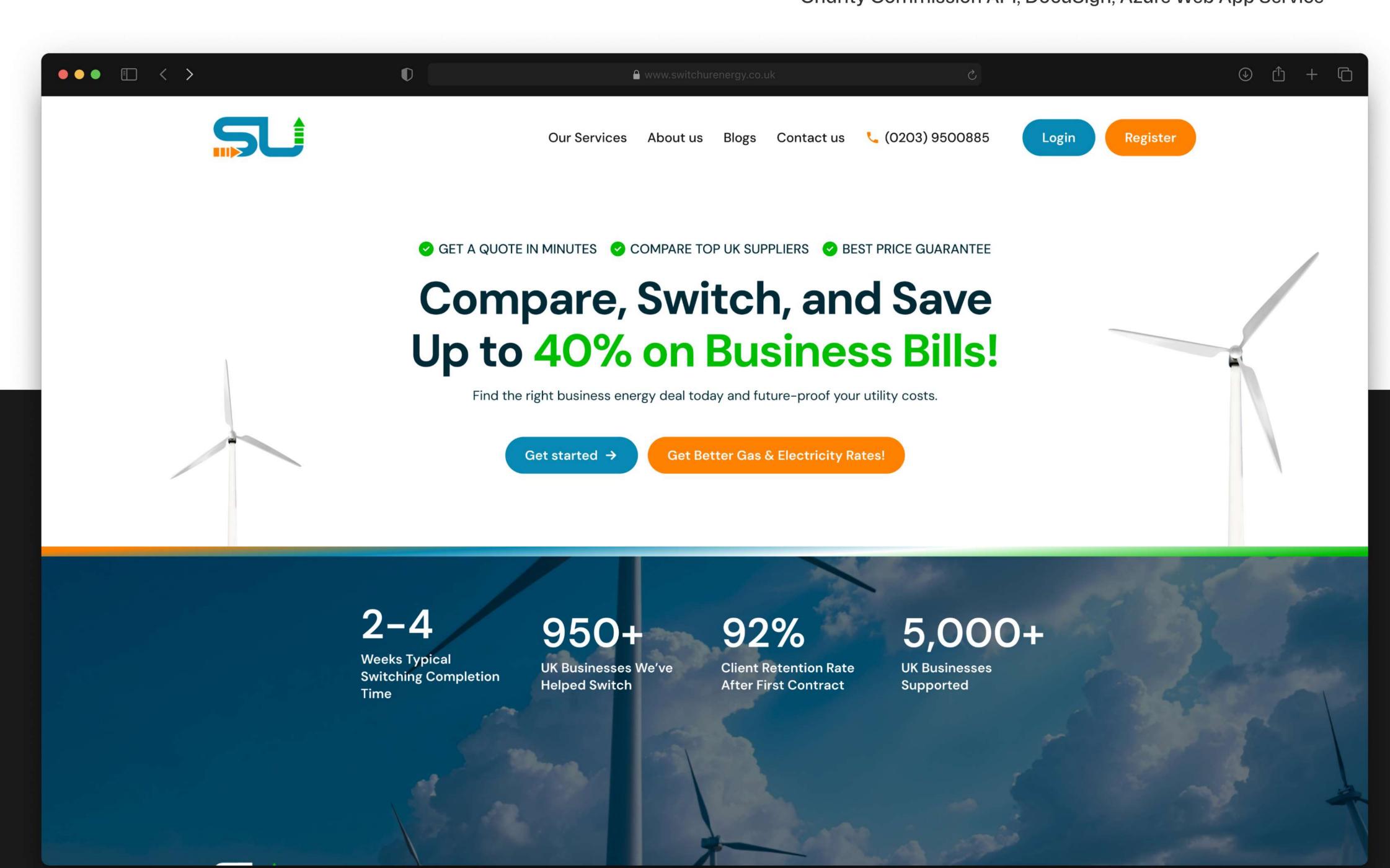


Powering Smart Utility Choices



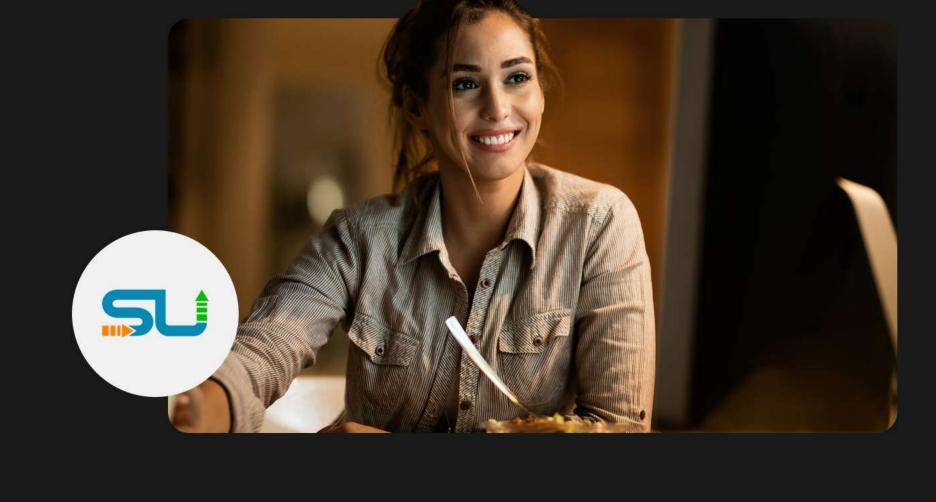
Technology Stack Umbraco CMS, MSSQL, UDCORE API, Companies House API, Charity Commission API, DocuSign, Azure Web App Service



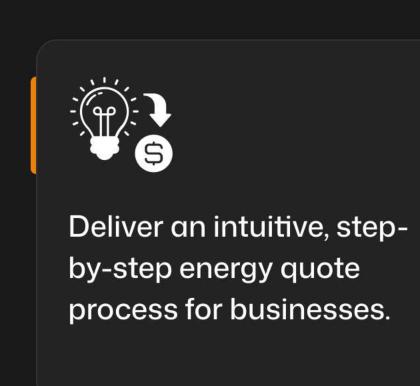
Overview

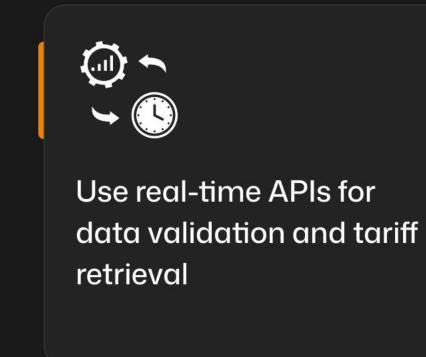
SwitchUrEnergy is a smart and efficient web platform developed to simplify how UK businesses compare energy plans and switch their gas or electricity providers. Built with a user-first approach and powered by real-time data integrations, the platform enables a seamless energy quoting and contract journey.

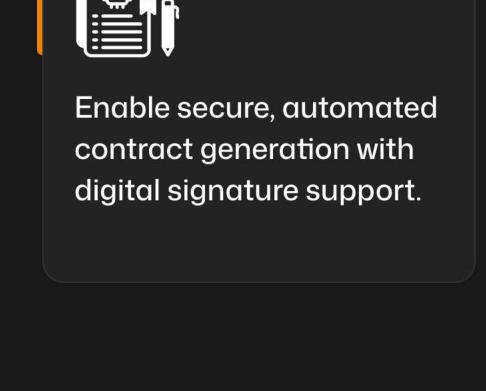
The system is developed using Umbraco CMS with MSSQL as the backend database. It is deployed on Microsoft Azure Web App Service and follows a structured CI/CD pipeline, enabling automated deployments, performance monitoring, and scalability.

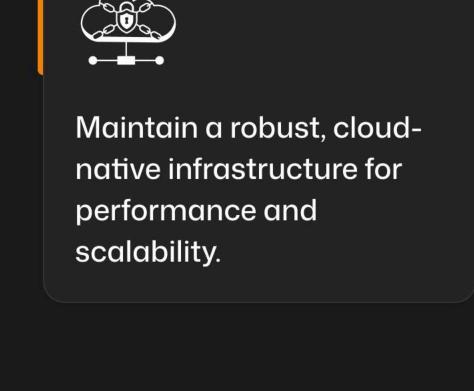


Objectives

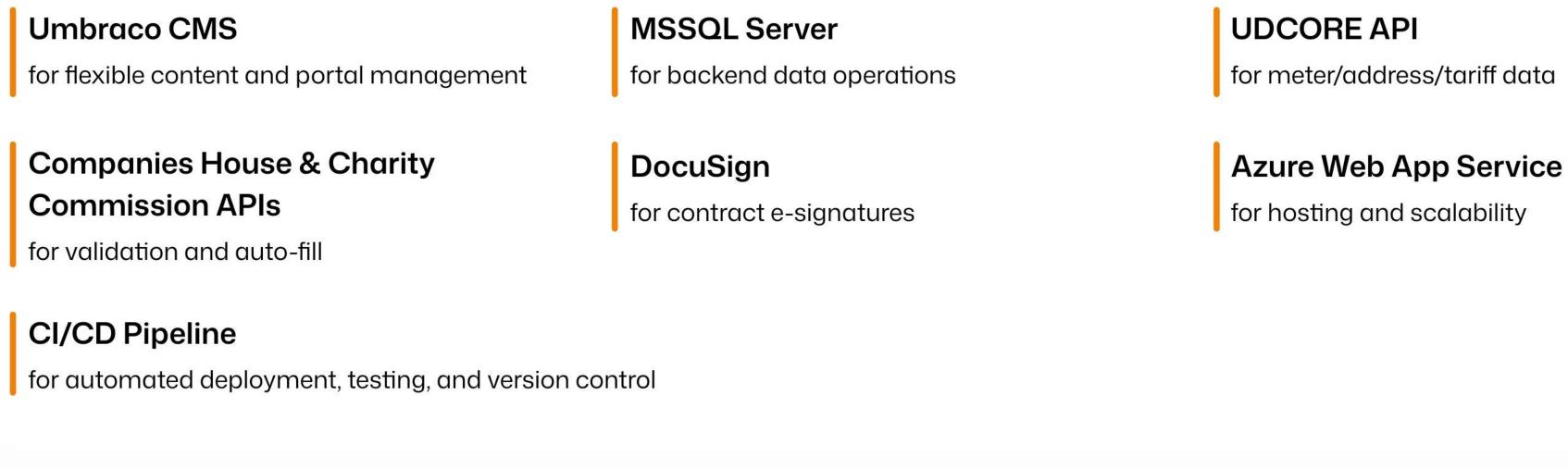






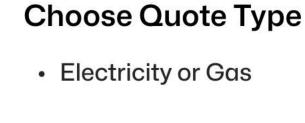


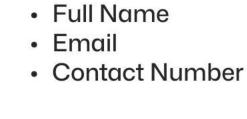
Technology Stack





User Journey & Workflow

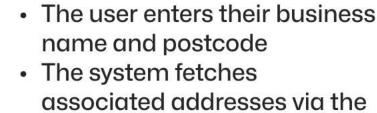


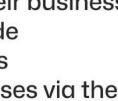


Information

Provide Contact







UDCORE Address Search API The user selects the correct address from the returned list

Plan Viewing & Contract

Generation

Details • The user enters annual consumption and relevant

meter details

Contract Finalization

Energy Consumption

generating accurate energy pricing

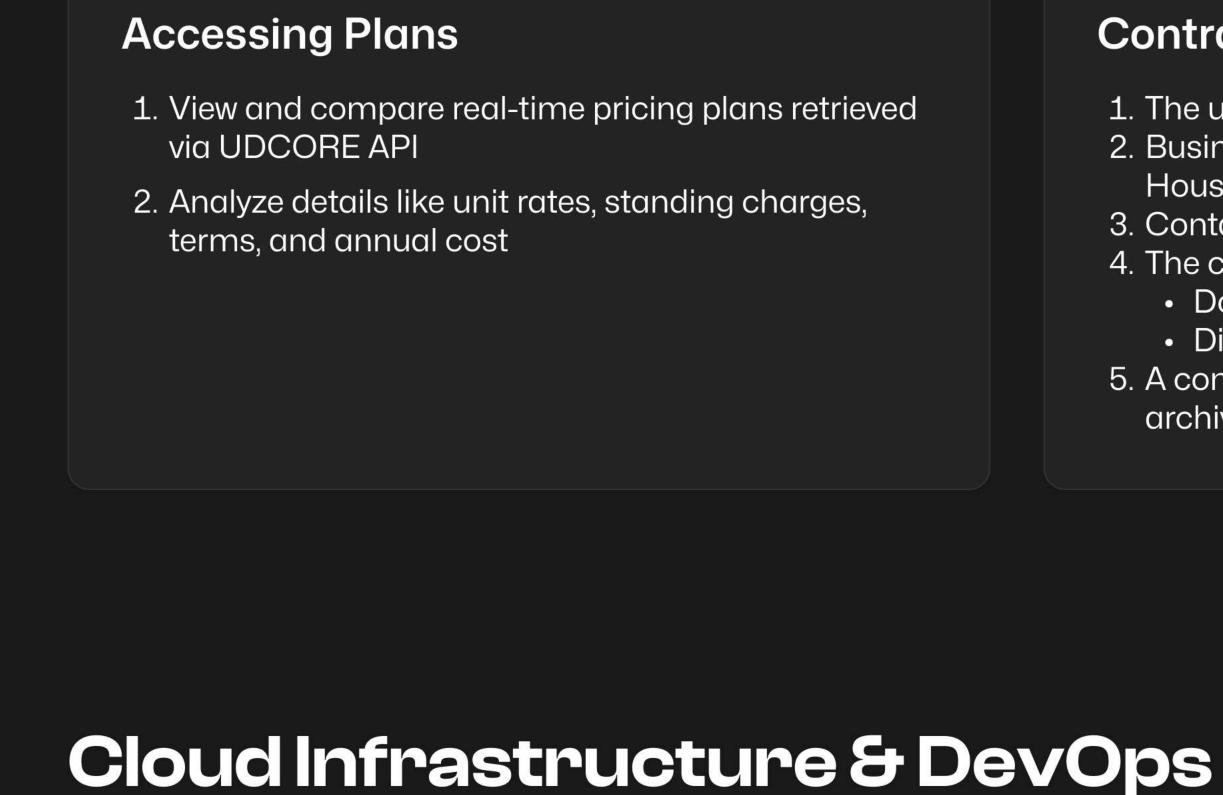
• This input is crucial for

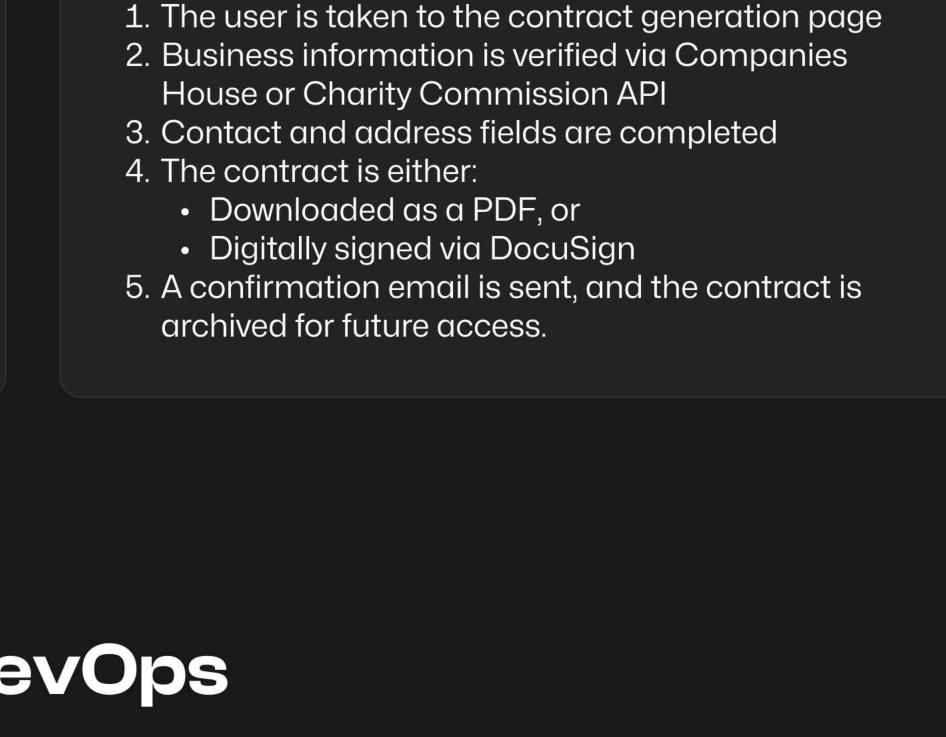
Submit the Quote

stored securely

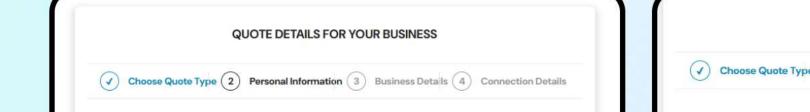
• The user is notified that their pricing options are ready

• The data is submitted and





Integrated performance monitoring DevOps



Hosted on Microsoft Azure Web App Service, ensuring

* Email Address

Contact Number

High availability

Scalability during peak traffic

QUOTE DETAILS FOR YOUR BUSINESS

QUOTE DETAILS FOR YOUR BUSINESS

CI/CD Pipeline Integration enables

* Is this a Change of Tenancy? O Yes Current Supplier

Contract Renewal Date

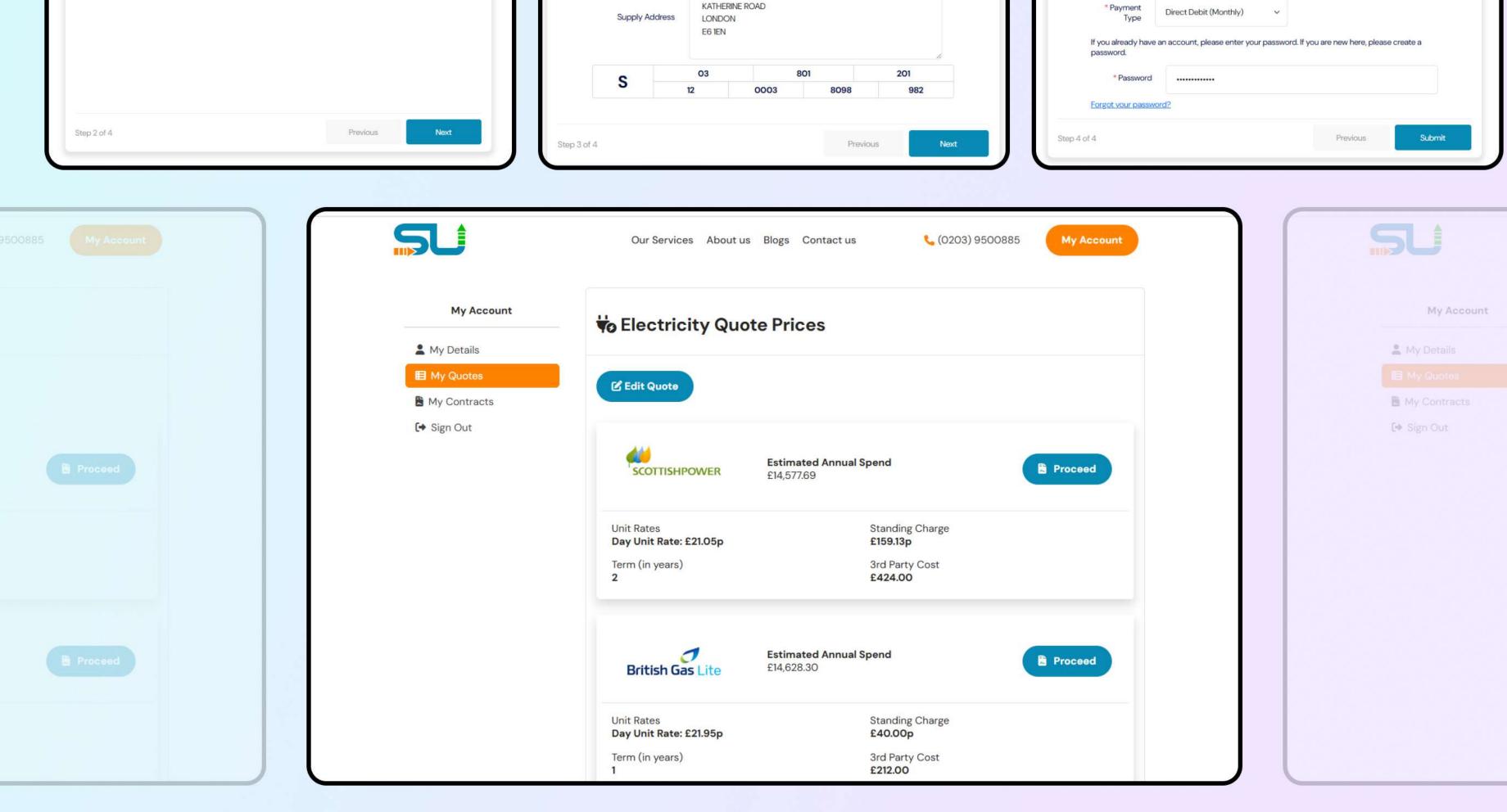
Day Consumption (Annual Estimated)

Night Consumption (Annual Estimated) 04/30/2025

Continuous integration and automated testing

Version control and rollback capability using Azure

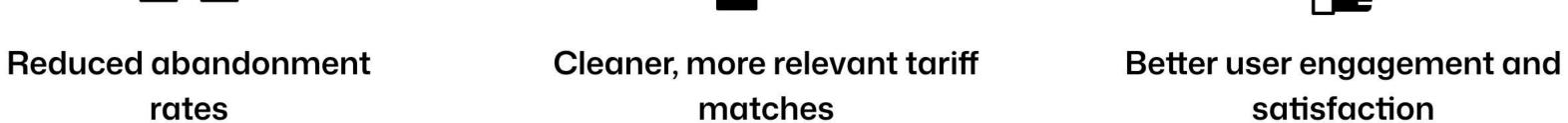
• Safe and repeatable production deployments



* Do you have a Smart

84, KATHERINE ROAD, LONDON, E6 IEN

Why SwitchUrEnergy • Stands Out Unlike most energy portals, SwitchUrEnergy guides users through a structured



journey, ensuring data accuracy before presenting quotes. This results in

for performance, flexibility, and business growth.

From seamless API integrations to robust cloud infrastructure, every layer of SwitchUrEnergy is built

Conclusion

delivering a top-tier digital experience to its users.

SwitchUrEnergy is a complete energy comparison and contracting solution for modern UK businesses. With a seamless quote workflow, trusted data sources, and a CI/ CD-enabled Azure deployment, it's a forward-thinking platform designed to adapt to market needs—while

