Site360

IT INFRASTRUCTURE

OVERVIEW

Site360 is a cloud-based, real-time site management platform which sits wholly outside of the existing M&S technology ecosystems. Site360 can utilise single sign-on for administrator dashboard users; however, this is not essential as access with a login and password is also possible.

Site360 is designed to support teams with a robust, secure, and scalable IT cloud solution. Our architecture ensures seamless data flow, operational reliability, and actionable insights to enhance compliance, and store / site operations.

1. Cloud-Native Architecture

- Hosted on Microsoft AZURE, leveraging scalable cloud services to ensure uptime, rapid deployment, and global access.
- Built using microservices architecture for modularity, flexibility, and efficient maintenance.

2. Data Management & Storage

- Centralised data repository with structured storage for site reports, asset registers, and compliance records.
- Real-time data capture and synchronisation from mobile and web apps.
- Encrypted backups and redundancy protocols to safeguard critical M&S data.

3. Device & Access Integration

- Compatible with mobile devices (iOS and Android) and desktop environments.
- Role-based access control (RBAC) ensures users only see and interact with relevant M&S data and features.

4. Security & Compliance

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5. Real-Time Dashboards & Reporting

- Live dashboards for reporting at site and head office level
- Customisable reporting engine for maintenance history.

6. API & System Integration

- RESTful API allows integration with third-party systems (e.g., ERP platforms)
- Supports data import/export for legacy system compatibility.
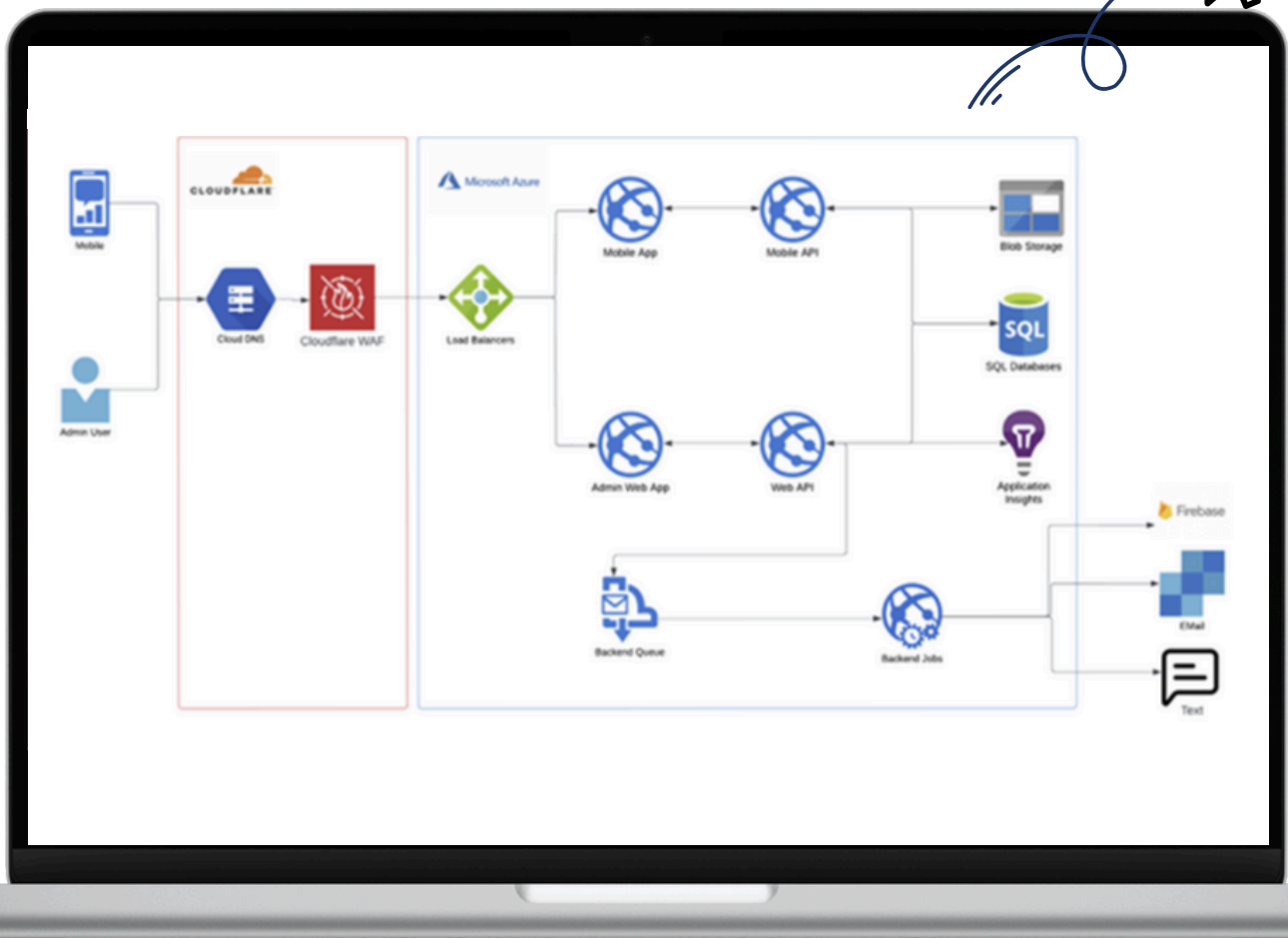
7. Support & Uptime

- 24/7 monitoring and automated alerts for performance or downtime risks.
- Regular system updates and performance optimisation included in the service package.

8. Data storage

- Data is stored in the MS Azure facility in South London
- Site360 is fully compliant with GDPR

SITE360 APPLICATION ARCHITECTURE DIAGRAM

CLOUDFLARE

- **Cloudflare DNS i**s a hosting service for DNS domains, providing name resolution using Cloudflare infrastructure.
- Cloudflare Web Application **Firewall** provides powerful protection for web apps.

Microsoft Azure

- **Azure App Service** is a fully managed platform for creating and deploying cloud applications. This enables you to easily create enterprise-ready web and mobile apps and deploy them on a scalable cloud infrastructure.
- **Azure Application** Insights provides application performance management and monitoring for live web apps.
- **Azure SQL Database** is a fully managed relational database-as-a-service in the cloud.
- **Azure Load Balancer** - Load balancing refers to evenly distributing load (incoming network traffic) across a group of backend resources or servers.

- **Queue** is the application background and notifications tasks queue
- **Azure Blob storage** is Microsoft's object storage solution for the cloud. Blob storage is optimized for storing massive amounts of unstructured data such as images, documents, video, audio and log files

For a more detailed discussion or for any other enquiries, please get in touch with our friendly team.