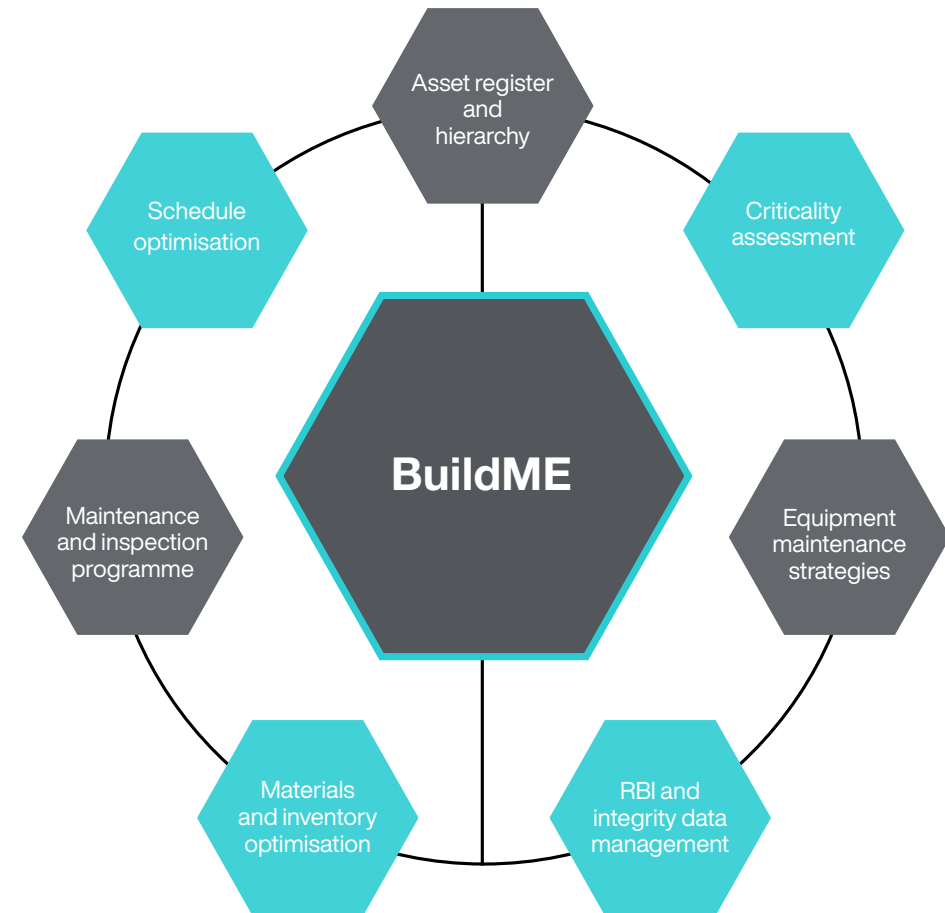# Introducing
BuildME

Petrofac

Introducing
BuildME

The BuildME environment has been designed to address the specific challenges associated with managing and improving asset data. It can be configured to the requirements of any management system hosting asset data.

BuildME focuses on those elements fundamental to a cost effective and efficient asset management programme. Incorporating Petrofac's methodologies and strategies as a norm, it can accommodate clients' own processes and standards too. Automation is used to ensure costly manpower is focused where critical asset management decisions are needed - not on repetitive tasks. BuildME supports asset data across the project life cycle; ensuring operations readiness for new assets and driving efficiencies in existing management programmes.
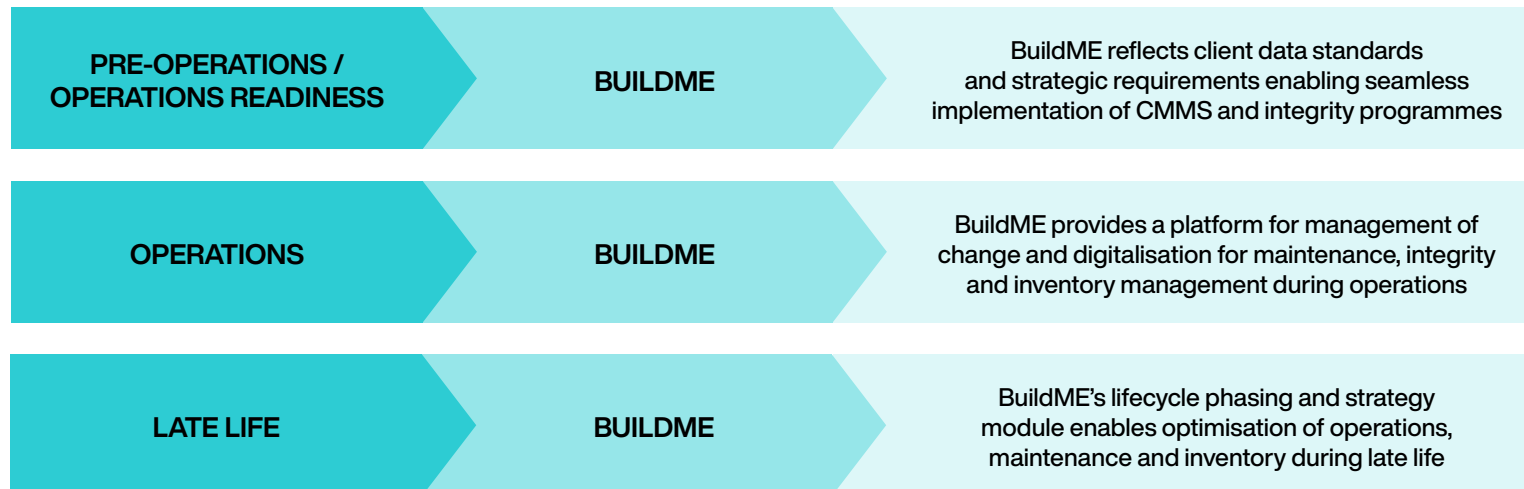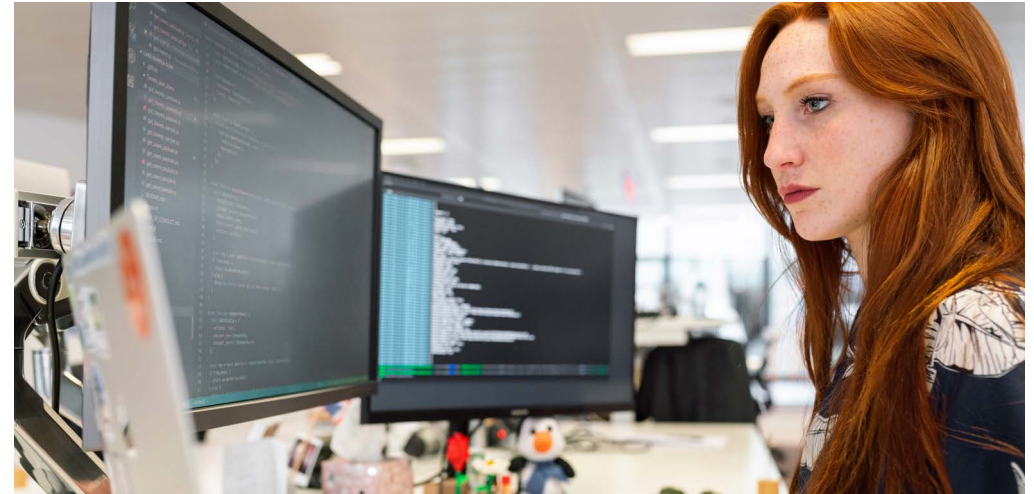
Petrofac's BuildME software platform provides a fully integrated environment for the creation and continuous improvement of asset management data and operational excellence.

BuildME

- Asset register and hierarchy
- Criticality assessment
- Equipment maintenance strategies
- RBI and integrity data management
- Materials and inventory optimisation
- Maintenance and inspection programme
- Schedule optimisation

Life-of-asset support

We deliver asset management solutions that improve asset performance and maintain integrity at every stage of an asset's life.

Using insights from our operating assets and learnings from our maintenance and integrity strategy and optimisation projects, we provide asset management solutions that support from pre-operations to operations and into late life. From fit-for-purpose maintenance, integrity and operational processes to computerised maintenance management system (CMMS) builds right through to optimised maintenance strategies for assets in late life, BuildME is central to our delivery.

PRE-OPERATIONS / OPERATIONS READINESS	BUILDME	BuildME reflects client data standards and strategic requirements enabling seamless implementation of CMMS and integrity programmes
OPERATIONS	BUILDME	BuildME provides a platform for management of change and digitalisation for maintenance, integrity and inventory management during operations
LATE LIFE	BUILDME	BuildME's lifecycle phasing and strategy module enables optimisation of operations, maintenance and inventory during late life

Core Functions

BuildME's core functions are designed to support the creation and continuous improvement of asset management data to improve performance and drive operational excellence.

ASSET REGISTER

- Core data structure built-in
- Configurable class code structure
- Configurable attributes
- Rule-driven data fields
- Hierarchy builder
- Capital facilities information handover specification (CFIHOS) alignment

CRITICALITY

- Configurable criticality matrix
- Functional systems set-up
- Equipment sub-category defaults
- Optional rule-based assignment Redundancy factors

MAINTENANCE OPTIMISATION

- Rules-based mapping
- Maintenance sequencing
- Route builder
- Job plan task builder
- Resource forecasting and smoothing

DOCUMENT REGISTER

- Tag-linked document register
- Materials document links
- Design data sheets and drawings
- Inspection drawings
- Inspection reports, photographs, and videos

MAINTENANCE STRATEGY

- Failure modes and effects analysis (FMEA) builder
- Maintenance strategy library
- Generic and equipment-specific
- Strategy document generator
- Late life management strategies

MATERIALS & INVENTORY

- SPIL
- Materials master development
- Materials catalogue enrichment
- Repair and spares strategies
- Maintenance and repair BoMs Preservation strategy builder

RBI & INTEGRITY

- Semi-quantitative risk-based inspection (RBI) process
- Configurable risk matrix
- Calculation library
- Inspection strategy builder
- Support for electrical inspection (EX) equipment, hoses, small-bore tubing etc

INTEGRITY DATA MANAGEMENT

- Fully integrated with BuildME
- Digital workflow support
- Configurable inspection templates
- Data trending and analysis
- Anomaly management system
- Action planning and tracking
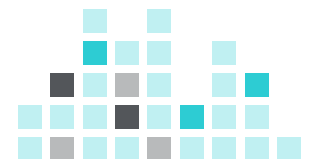
Your data, only better

By bringing all asset data together into a single work management system and integrating it with process management and quality control information, data can be better tracked and managed, bringing many benefits:

> Provides a clear view of data standards and the efficiency of planned maintenance and inspection routines

> Streamlined work management processes improve asset performance

> Assures safety critical systems in line with regulatory guidelines

> Improves management of change processes

> Ensures the right maintenance is happening at the right time and that the right resources are in place to complete it quickly and efficiently

> Identifies the key data needed for optimised computerised maintenance management system builds

> Drives opportunities for team collaboration and sharing of programme objectives

> Provides a secure audit trail, ensuring decisions are tracked and justified

> Increases synergies between strategic work streams to reduce cost, time, and risk

Module features

> Cloud-based access to a private BuildME instance
  *(isolated database, application pool and secure
  subdomain of buildmehost.com)*

> On demand data grid exports

> Advanced imports

> On demand data grid exports

> Direct CMMS load file exports

> Multiple role permission groups

> Document template designer

> Document generation

> Power BI Dashboard visualisation that can be tailored for customers

> Data population metrics

> 24/7 ticket system

> Standard working hours SLA

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