

ASSET-FOCUSED SOLUTIONS

Brownfield Asset Transformation and Lifecycle Support



THE SYNCOMO DIFFERENCE

Independent asset judgment.

We bring the right technical and delivery capabilities together around your asset. One coordinated solution, delivered.

Facing limited supplier choices, unfavorable service terms, or a proposed solution that costs more than your asset needs? Engage SyncHomo. We independently assess the asset, challenge the options, and bring the right resources together to deliver a practical solution.

A practical partner for existing assets

ABOUT US

SyncHomo Solutions Company supports end users, asset owners, O&M contractors and facility management contractors in transforming existing electrical, mechanical and automation assets. Based in Al Khobar, Saudi Arabia, we work with site teams to improve reliability, plan practical renewal and protect continuity. We can also deliver defined construction, installation, testing and commissioning works, from urgent intervention to planned transformation.



Independent judgment. Practical options. Accountable delivery.

We work with the owner, requesting department and O&M team to understand the installed base, test assumptions and compare viable routes. We assess OEM offers and qualified alternatives against the same asset needs: continued operation, repair, spares, selective modernization or replacement. This preserves procurement choice and reduces dependence on a single supplier.

Synchronize assets

Plan each intervention with connected legacy systems and the assets scheduled for later replacement.

Homogenize operations

Maintain reliable operation and clear interfaces while old and new assets coexist.

Deliver the solution

Define, contract, implement, test and hand over the approved scope with clear responsibility.

Engage us when the asset needs action

An annual agreement is optional. SyncHomo can enter at any stage for one defined need and carry an approved scope through delivery.

DEFINED ASSIGNMENT

Assessment, spare parts issue, emergency, replacement plan, budget case, RFQ, construction, installation, testing or commissioning.

Scope, interfaces, deliverables and acceptance requirements are agreed for that assignment.

OPTIONAL ANNUAL RELATIONSHIP

Register selected assets, meet O&M regularly, review condition and action closure, and maintain a rolling plan for risk, spares and renewal.

Projects and emergency arrangements are approved under their agreed scopes.

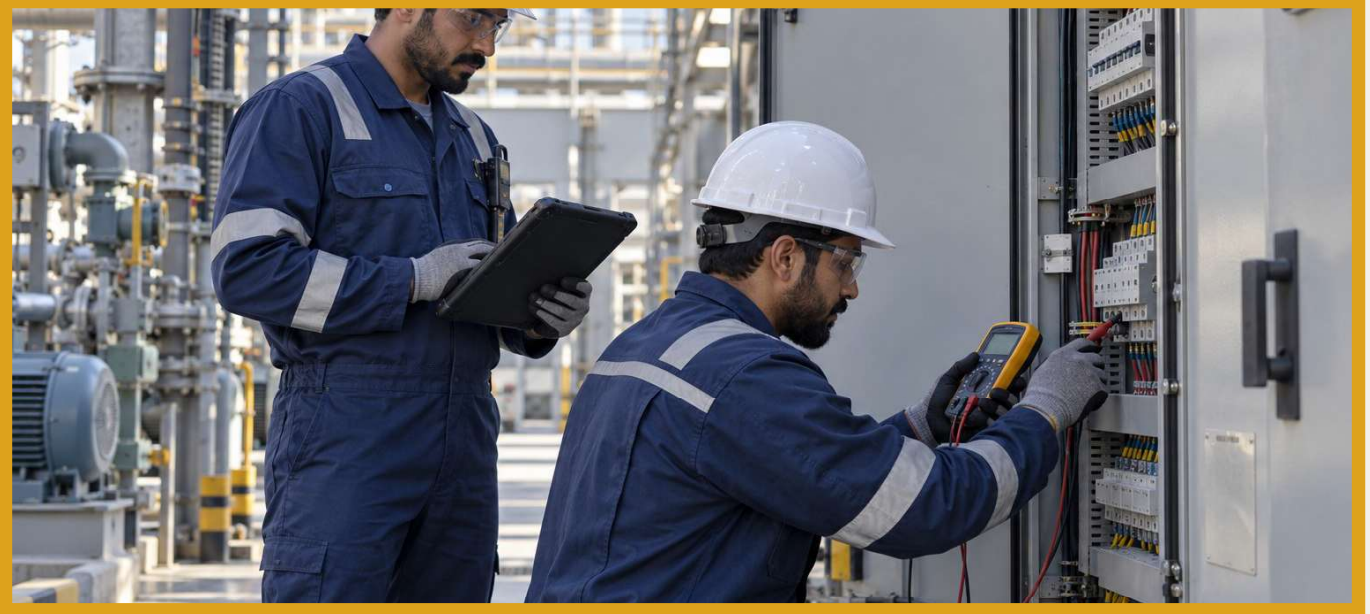
Contracting and implementation



We undertake or coordinate defined electrical, mechanical, automation and integrated works: controlled removal, construction, supply, installation, testing, commissioning and handover.

The contract defines who executes each scope, the required approvals, acceptance tests and the commitment to close identified defects.

Know the asset before deciding



Our early engagement builds familiarity with decades-old technology, site history and the interfaces that drawings alone may not reveal. We review the asset with the people who operate and maintain it.

PRACTICAL OUTPUTS

Asset and interface record

Identity, duty, drawings, connected equipment, controls, spare parts, service history and known constraints.

O&M review and action log

Site discussions, recurring faults, unresolved risks, provider actions and accountable follow-up.

Condition and renewal priorities

What can remain in service, what needs intervention and what should enter a staged replacement plan.

Management visibility

Clear observations, options and decisions for the requester department and asset owner.

Stay close to the asset

An optional annual registration package gives the owner a continuing view of selected assets. We agree the asset list, meeting cadence, site access, responsibilities and reporting format at the start.

THE WORKING RHYTHM

01

Register and baseline

Capture identity, duty, age, drawings, interfaces, service history, known issues and spare parts position.

02

Review with O&M

Meet the operations and maintenance leads, inspect agreed assets and record failures, actions and provider responses.

03

Prioritize and plan

Rank risks and continuity needs; compare repair, parts, modernization and replacement options with future interfaces.

04

Update the roadmap

Maintain an action log, spares plan and staged renewal proposals for the requester department's budget cycle.

TANGIBLE OUTPUTS

Asset register and interface record • O&M review notes • Open-action tracker • Risk and spares priorities • Phased renewal and budget inputs

Repairs, procurement, projects and emergency mobilization proceed under separately agreed scopes.

Choose the route the asset needs

A new asset is one possible answer. We compare practical routes against the operating duty, asset condition and the owner's investment horizon before defining the work.

Keep operating

Monitor condition, close priority actions and confirm the risk of continued service.

Repair and secure spares

Address failure modes and qualify compatible parts or donor components.

Modernize selectively

Upgrade the limiting element while retaining viable equipment and interfaces.

Replace in phases

Sequence critical units, temporary continuity and future connected systems.

THE DECISION LENS

Safety and duty

Can it continue to perform?

Reliability

What failure risk remains?

Spares and providers

What support is available?

Interfaces

What works now and later?

Whole-life cost

What is affordable over time?

Execution

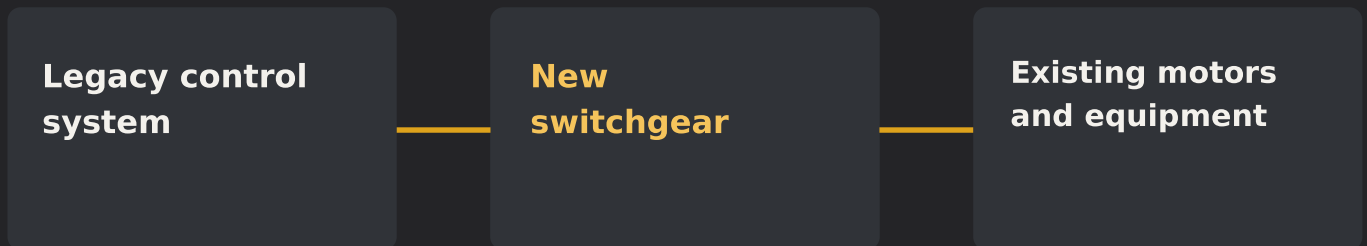
What outage and scope are feasible?

Each recommendation records assumptions, alternatives, interfaces and scope boundaries. The client approves the route; implementation proceeds under an agreed contract.

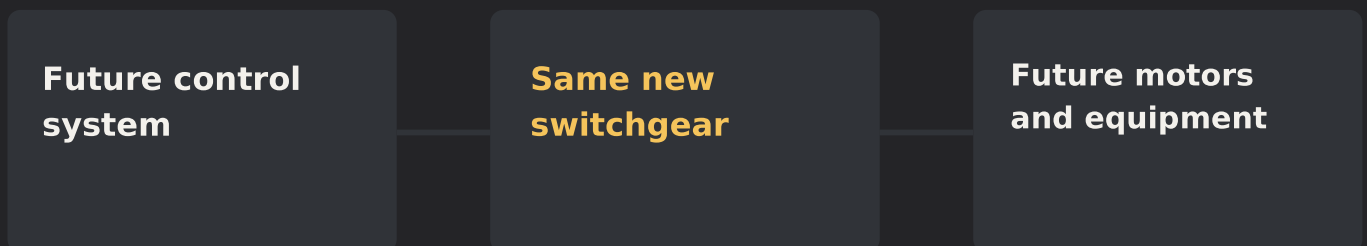
Replace the switchgear. Plan the system.

The new switchgear must serve the existing control system and field equipment on day one, while supporting planned replacements of controls, motors, compressors and other process assets.

CURRENT OPERATION



PLANNED FUTURE STAGES



ONE INTERFACE PLAN ACROSS BOTH STATES

Before the first RFQ, we map ratings and protection, cabling and terminations, motor starting, control signals, interlocks, alarms, communications, space, outages and migration steps. The scope defines how the new switchgear will work with today's equipment and the approved future systems.

Make the investment approvable



We work with the requesting department and O&M to build a decision case: the risk of waiting, workable alternatives, the first essential scope and the measures needed to operate safely between phases.

ILLUSTRATIVE MULTIYEAR SEQUENCE

Stage 1

Priority assets and critical interfaces

Immediate risk reduction; essential spares and continuity measures.

Stage 2

Connected controls or field equipment

Renew the next group without rebuilding the first investment.

Stage 3

Remaining fleet and optimization

Complete the approved roadmap as demand and budgets permit.

Each stage receives a scope, budget estimate, dependencies, decision point and interim operating plan. Actual timing and amounts are set with the client.

Prepare before the failure



An emergency response is stronger when the team already knows the asset, its interfaces, available spares, alternate providers and temporary operating options.

Readiness

Identify critical assets, vulnerable parts, escalation contacts, temporary equipment and decision authority.

Emergency engagement

Gather facts with O&M, define immediate technical needs and mobilize compatible providers and materials.

Crisis coordination

Prioritize affected assets, manage multiple dependencies and support phased restoration.

After stabilization

Document residual risk and turn the event into a planned repair, modernization or renewal scope.

Support across the complete cycle

Clients can engage SyncHomo at any stage. The optional annual relationship provides earlier knowledge and a continuing action record.



The cycle closes at the next installation

Interface knowledge, asset data and lessons from removal are carried into the replacement asset and its future O&M plan.

From asset support to site delivery

LIFECYCLE STAGE	ASSET SUPPORT	CONTRACTING / DELIVERY
01 Installation and commissioning	Interface and acceptance review; initial asset record.	Construction, installation, testing, commissioning and handover.
02 Energization and early operation	Readiness, baseline performance and defect tracking.	Integration checks, rectification and closeout under agreed scope.
03 O&M and condition	O&M reviews, diagnostics, action tracking and provider coordination.	Preventive or corrective site works under a work order.
04 Reliability and spare parts	Failure trends, criticality and compatibility assessment.	Source, fit and validate qualified replacement parts.
05 Life extension	Compare repair, refurbishment and modernization routes.	Repair, retrofit, controls upgrade and integration testing.
06 Renewal decision	Assess risk, cost, continuity and future interfaces.	Survey and execute approved enabling or temporary works.
07 Budget and RFQ	Phased budget, scope, BOQ, RFQ and bidder support.	Supply and execute an awarded implementation package.
08 Decommissioning	Isolation and continuity plan; lessons for the next asset.	Controlled dismantling, demolition and site preparation.

The approved solution reaches the site

SyncHomo can contract for a defined scope or coordinate agreed specialist arrangements. We connect the practical asset decision to safe, controlled delivery.

01

Define

Scope, drawings, interfaces, BOQ, responsibilities and acceptance criteria.

02

Prepare

Materials, service providers, permits, outage and temporary continuity.

03

Execute

Dismantling, demolition, construction, installation, upgrade and integration.

04

Verify

Inspection, testing, commissioning, punch list and functional performance.

05

Hand over

Documents, spares, training inputs and updated asset records.

Our implementation commitment applies to the approved contractual scope, responsibilities, tests and handover requirements.

Electrical / Mechanical / Automation



Electrical assets

Distribution, switchgear, transformers, RMUs, MCCs, protection, cables and grounding. Asset review, spares, modernization, installation and testing.



Mechanical assets

Rotating machinery, compressors, HVAC and piping. Reliability, spare parts, repair, replacement, construction and commissioning.



Automation assets

Control, instrumentation, monitoring, alarms and communications. Legacy interfaces, obsolescence, upgrades and integration testing.

We assess the interfaces between disciplines as one operating system.

How we support your team



For end users and asset owners, we work with requesting departments, O&M contractors and facility management teams to turn asset findings into practical decisions and delivered work. Engagement can begin with one issue or a continuing asset relationship.

Operational understanding

Review duty, condition, recurring faults, interfaces and the history known to site teams.

Practical options

Compare continued operation, repair, spare parts, modernization and staged replacement.

Specialist coordination

Compare qualified technical, material and rental options to reduce single-source dependency.

Delivery and closure

Execute or coordinate approved works, verify performance and update the asset record.



START WITH THE ASSET THAT NEEDS A DECISION

Synchomo Solutions Company

Brownfield Asset Transformation and Lifecycle Support

One defined assignment or an ongoing asset relationship.

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Representative images illustrate service areas and do not depict identified Synchomo projects.