

**G4U**

Building Performance, Proven.

RETROFIT ENGINEERING / SERVICE SHEET

Turn energy opportunities into engineered improvement.

From operating changes to major cooling-system renewal, G4U aligns engineering measures with building needs, measurable value and a practical delivery plan.

01 Optimize the systems already in place

Review schedules, chiller combinations, temperature and pressure resets, pumping, cooling-tower coordination, AHU sequences and owner-controlled terminal operation.

02 Renew equipment and enable measurement

Assess chiller and plant modernization, pumps, fans, variable-speed drives, meters and control-enablement work. Compare retained, improved and replacement configurations.

03 Extend the engineering scope where valuable

Evaluate common-area lighting, water measures and suitable envelope or material improvements. Select measures against load, operating constraints, lifecycle economics and verification needs.

Design measures as one operating package

Consider interactions between plant, distribution and air-side systems so measures work together within comfort, availability and equipment constraints.

Define the engineering scope after assessment.

Prioritize the operating measures and capital works that fit the building.

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RETROFIT ENGINEERING / DELIVERY AND ACCEPTANCE

Engineer, implement and prove the improvement.

One coordinated plan connects G4U's energy and digital work with the owner's FM team, equipment suppliers and appropriately qualified project specialists.

Design and procurement

Confirm load profiles, design conditions, capacity and redundancy. Review equipment selection, hydraulic needs, operating sequences, lifecycle costs, bill of quantities, interfaces and supplier performance commitments before procurement.

Implementation and continuity

Agree permits, site responsibilities, access and safe work arrangements. Plan shutdowns and cutovers, retain OEM protection and existing operating fallback, and coordinate metering, controls and physical works.

Commissioning and performance acceptance

Use inspections, factory/site tests as applicable, point checks, functional performance tests, training and defect closure. Where season matters, distinguish initial acceptance from final performance verification under the agreed operating conditions.

The handover connects engineering to ongoing performance

Provide the accepted design and equipment record, test evidence, operating settings, training outputs and measurement plan. Feed subsequent operating findings into managed performance and lifecycle planning.
