CALIVON
SMART ENERGY
Intelligence Behind Every Saving

FULL-SERVICE ENERGY AND SMART BUILDING SOLUTIONS

SMARTER BUILDINGS. STRONGER PERFORMANCE.

One accountable partner to diagnose waste, improve systems, automate operations and generate clean power.

INTELLIGENCE BEHIND EVERY SAVING

CUSTOMER SERVICES CATALOGUE



The bill is the symptom. The building tells the story.

Energy waste rarely comes from one problem. It builds up across equipment, schedules, controls and the envelope.

Cooling beyond occupied hours

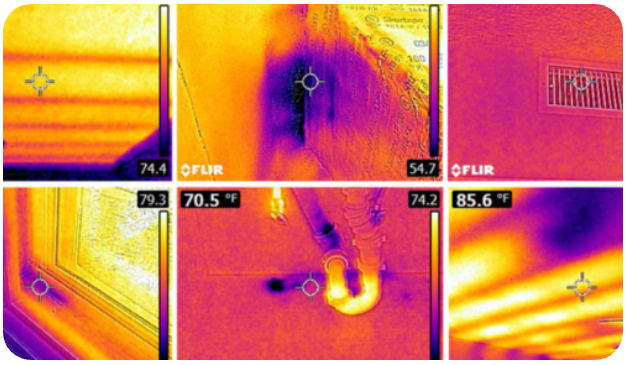
Schedules and overrides keep equipment running when spaces are empty.

Controls that fight the building

Setpoints, sensors and sequences drift away from actual use.

Heat entering through the envelope

Roofs, walls and gaps increase the load carried by HVAC systems.







THE CALIVON VIEW

Connect the losses before you invest.

We combine bills, field evidence, operating data and engineering judgement into one prioritized action plan.

HVAC | LIGHTING | ELECTRICAL | WATER | CONTROLS | ENVELOPE | SOLAR

One partner. Six ways to improve the same building.

Begin with the priority problem, then add the next service only when the evidence supports it.

01 DIAGNOSE

Inspect the site, establish the baseline and identify root causes.

02 CORRECT

Rectify HVAC, lighting, controls, electrical and water issues.

03 PROTECT

Improve roof and wall performance with suitable insulation systems.

04 AUTOMATE

Use occupancy, schedules and sensors to control AC and lighting.

05 GENERATE

Create on-site power from rooftops, parking and architectural surfaces.

06 VERIFY

Monitor operation and report the result after implementation.

START ANYWHERE. **Scale into one coordinated performance programme.**



INSPECTION AND PERFORMANCE REPORT

See the loss. Know the priority.

A structured survey turns utility cost and site evidence into a practical roadmap for investment.

Measured baseline

Bills, schedules, drawings and available operating data.

Site findings

HVAC, electrical, lighting, water, controls and envelope checks.

Priority actions

Root causes ranked by urgency, impact and implementation readiness.

Decision-ready report

Recommended scope, sequence, next measurements and project roadmap.

BEST FIRST STEP

For owners who need clarity before committing to rectification, controls or solar.

Fix what the report proves.

Calivon turns findings into a controlled scope of work, coordinates specialist trades and verifies handover.



FIELD EVIDENCE GUIDES THE SCOPE

CORE WORKSTREAMS

- HVAC optimization and recommissioning
- Controls, sensors and variable-speed drives
- Efficient lighting and occupancy zoning
- Electrical, metering and power-quality actions
- Water leaks and practical conservation measures
- Targeted envelope sealing and repairs

WHAT THE CUSTOMER GETS

Defined scope

Clear technical inclusions and exclusions.

Coordinated delivery

One Calivon lead across approved specialist trades.

Commissioned handover

Testing, settings, records and close-out evidence.

Measured follow-up

Operation checked after the improvement is complete.

ONE ACCOUNTABLE LEAD FROM FINDING TO FIX



THERMAL INSULATION AND WATERPROOFING

Stop heat before it becomes cooling load.

Wall and roof systems can improve thermal protection, moisture control and weather resistance with minimal added load.

Thermal protection

Reduce heat transfer through suitable wall and roof assemblies.

Moisture control

Support crack sealing, condensation control and weather protection.

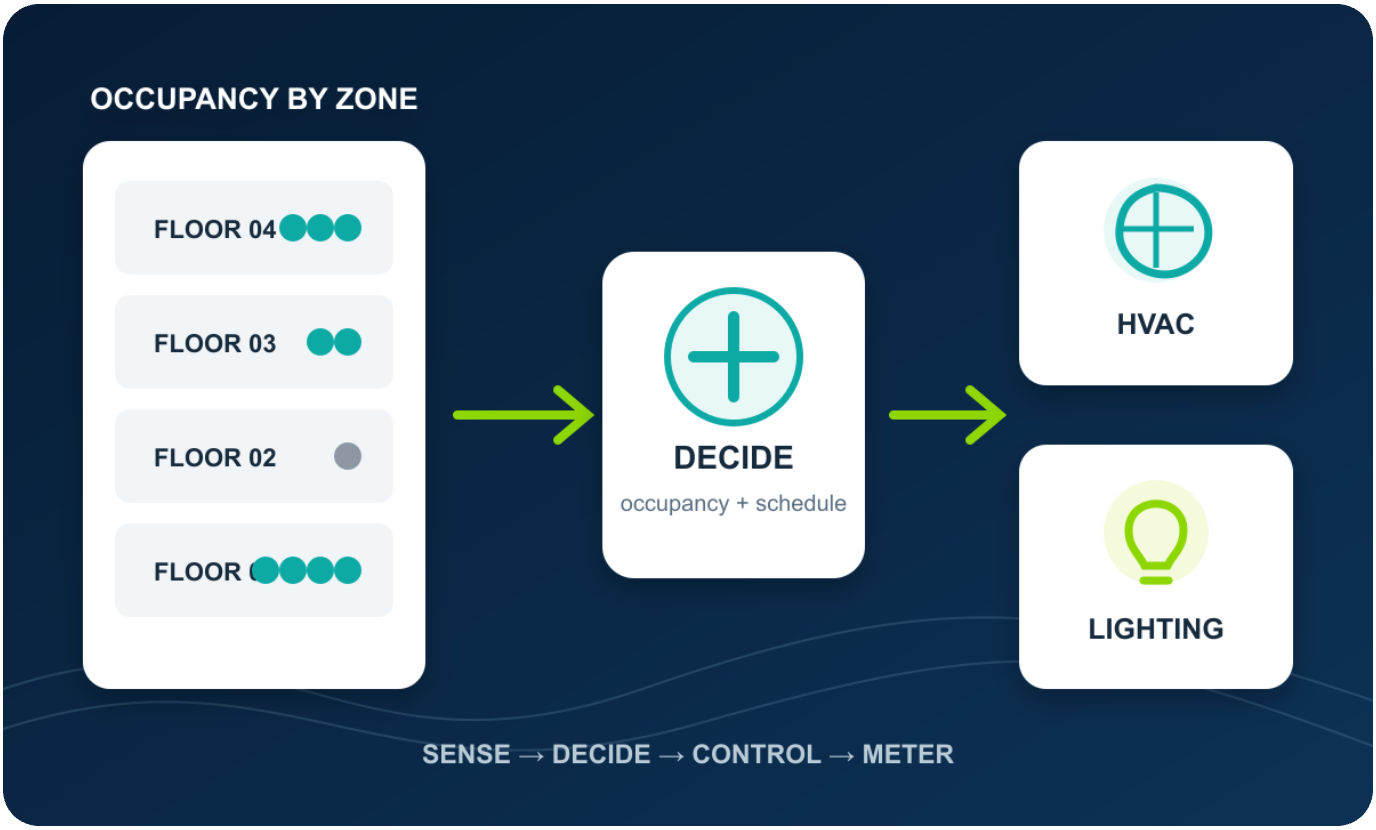
Project-fit scope

Select substrate preparation and application method for the actual site.

Suitability, preparation, test evidence and final performance requirements are confirmed per project.

Occupancy should control energy - not habit.

Sensors, schedules and metering turn actual room use into automatic AC and lighting decisions.



01 **COUNT PEOPLE**

Cooling and airflow can follow actual headcount instead of design maximum.

02 **EMPTY OFFICE**

Vacant rooms move to AC setback or sleep and the lights turn off.

03 **AFTER HOURS**

Empty departments shut down by schedule plus occupancy, with authorized override.

Dashboards, alarms, routines and live/historical data make the action visible.

Put every usable surface to work.

Calivon coordinates the technical and commercial path from feasibility through delivery, monitoring and ongoing performance.



ROOFTOP PV



SOLAR CARPORTS

THREE CUSTOMER BENEFITS

On-site generation

Use roof or parking area to produce electricity where it is consumed.

Useful shade

Create a more comfortable parking experience while the canopy generates power.

Visible performance

Track yield, alarms, cleaning and maintenance after handover.

PROJECT-SPECIFIC

System size, forecast yield, grid requirements and commercial proposal follow the site assessment.



CONCEPT VISUAL

BIPV | ARCHITECTURAL SOLAR

When architecture becomes energy.

Photovoltaic cells can be integrated into the building element itself, combining architectural intent with on-site generation.

FACADE **GLAZING** **CANOPY** **SHADING**

Calivon is the local Saudi supplier and project interface. Colour, pattern, transparency, output, build-up, testing and approvals are coordinated for the selected project.

Built for places where energy, comfort and uptime matter.

06

A common performance method adapts to different operating environments and project opportunities.

01	MALLS AND RETAIL	Cooling, lighting, parking shade and solar generation.
02	OFFICES AND HEADQUARTERS	After-hours control, occupancy automation and rooftop PV.
03	HOSPITALS AND CLINICS	HVAC performance, indoor conditions, reliability and critical metering.
04	HOTELS AND COMPOUNDS	Continuous loads, pumps, hot water, controls and monitoring.
05	WAREHOUSES AND INDUSTRIAL	Large roofs, motors, power quality and operating-data visibility.
06	CONSTRUCTION & RENOVATION	Energy design review, MEP coordination, commissioning and retrofit delivery.

OPEN TO THE RIGHT OPPORTUNITY

Calivon can coordinate adjacent scopes when capability, compliance and project value align.

Start with evidence. Scale only when the case is clear.

Buy one service or combine the full journey. Calivon remains the accountable customer interface throughout.

01	**ASSESS**	Bills, site survey, measurements and operating data.
02	**PRIORITIZE**	Root causes, business case and recommended sequence.
03	**DELIVER**	Rectification, insulation, controls or solar scope.
04	**COMMISSION**	Test, tune, document and hand over the work.
05	**MONITOR**	Use meters, dashboards, alerts and operating reviews.
06	**VERIFY**	Report what changed and define the next opportunity.

ONE BASELINE

One roadmap. One technical lead. One accountable relationship.

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YOUR NEXT STEP

Bring us the building. We will map the path.

A first conversation can begin with four simple inputs:

- Recent utility bills
- Site or building drawings, if available
- Operating hours and occupancy patterns
- Known comfort, maintenance or energy concerns

REQUEST A BUILDING PERFORMANCE ASSESSMENT

Speak with your Calivon representative.

CALIVON SMART ENERGY | SAUDI ARABIA



Representative concept visual