

CLIMATE ASSETS

CETPartnership 2026 Project Cooperation

**Distributed climate-energy assets for
integrated regional energy systems.**

Public partner-search deck for CETPartnership matchmaking /
B2Match

DEFINED ARCHITECTURE · OPEN PARTNER ROLES

Proposed thematic fit: integrated, distributed clean-energy systems ·
climate adaptation · flexibility

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The challenge and proposition

Cities, coastal territories and productive landscapes need energy infrastructure that does more than generate electricity.

EXTREME HEAT

Shade, cooling and thermal protection

DISTRIBUTED RENEWABLES

Generation closer to demand

STORAGE & FLEXIBILITY

Load shifting, resilience and grid support

E-MOBILITY

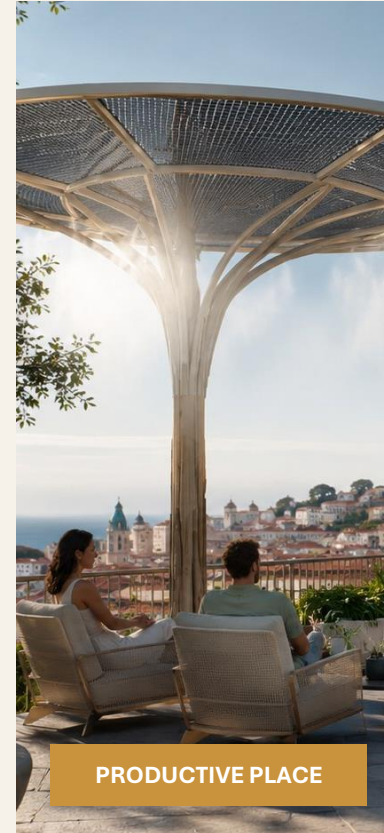
Charging and future bidirectional participation

CLIMATE ADAPTATION

Water, comfort and nature-based services

REPLICATION

From one node to connected territorial systems



Climate Assets converts underused surfaces and places into multifunctional assets combining renewable generation, storage, climate services, e-mobility and digital control.

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The demonstrator



First validation unit

Solar Patio → prototype → operational pilot

A lightweight, deployable climate-energy node designed to validate the integrated service stack before scaling.

PV	local generation
BESS	storage + resilience
EMS	control + priorities
CLIMATE	shade + cooling
MOBILITY	e-bike / EV charging
DATA	monitoring + validation

Target
progression

Concept / pre-engineering

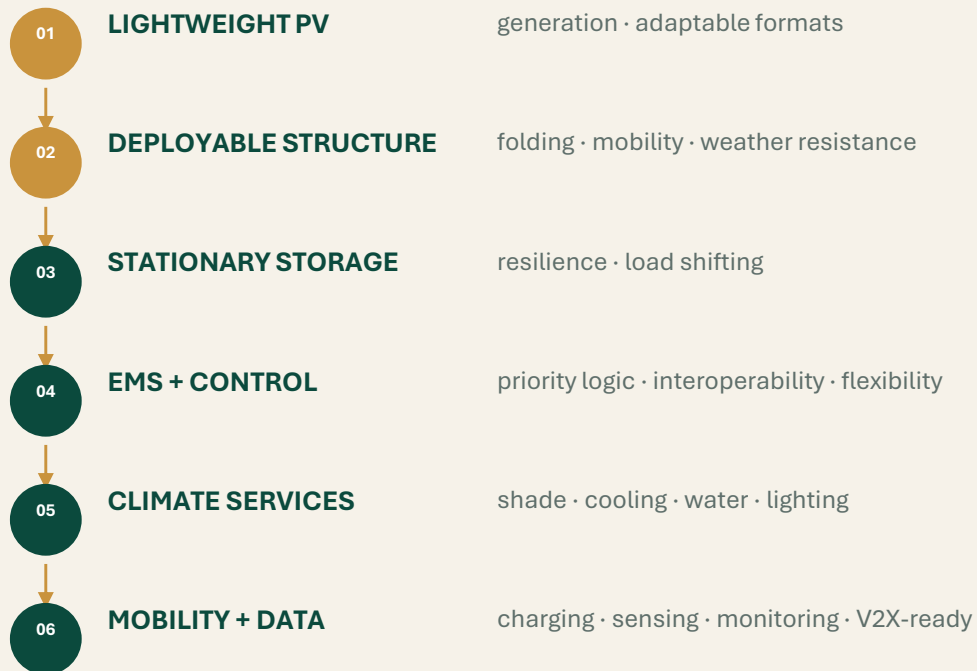
Validated prototype

Measured pilot

Replication decision

System architecture

The demonstrator is designed as integrated service infrastructure — not a standalone PV installation.



INTEGRATED CLIMATE-ENERGY ASSET

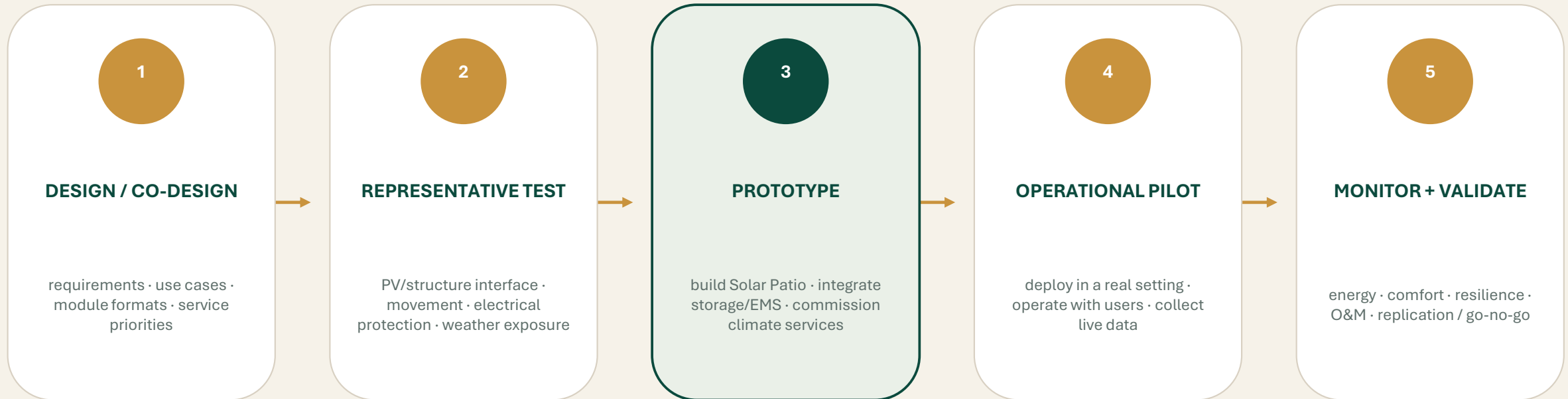
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Research and demonstration pathway

A fundable pathway that reduces technical risk while producing measurable evidence for scale-up.



Each stage can be scoped with an agreed budget, deliverable and go/no-go decision.

OUTPUT: VALIDATED PROTOTYPE + MEASURED PILOT + REPLICATION EVIDENCE

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Emerging consortium architecture

The project architecture is defined around functions. Role allocation is intentionally not closed so strong partners can help shape the proposal.

DEFINED	DISCUSSIONS UNDERWAY	ROLES STILL OPEN
Climate Assets concept originator · project integration · demonstrator pathway	PV / module integration lightweight / flexible formats and manufacturability	EMS / flexibility interoperability · control · aggregation
System logic Solar Patio → Garden → Forest / e-Oasis → e-Corridor	R&D / testing mechanical · electrical · environmental validation	Storage battery integration · resilience · dispatch
Validation anchor Solar Patio prototype + measured pilot	Living Lab / replication hospitality · coastal · greenhouse · regional contacts	Mechanical / prototype deployable engineering · fabrication · durability
Service stack energy · climate · mobility · data	Academic / technical modelling · monitoring · analysis support	Hosts + scale-up municipalities · Living Labs · replication territories

CONSORTIUM STATUS: ACTIVE FORMATION · SELECTED ROLES OPEN FOR CO-DEVELOPMENT



Partners we are seeking

We are looking for complementary partners who can own meaningful technical, validation or deployment roles.

ENERGY SYSTEMS / EMS / FLEXIBILITY

Control architecture, interoperability, load prioritisation, aggregation and VPP-ready logic.

STORAGE

Battery sizing, integration, safety, resilience and operational dispatch.

MECHANICAL / PROTOTYPE ENGINEERING

Deployable structure, fabrication, fatigue, wind/weather resistance and repeatable operation.

R&D / TESTING

Mechanical cycling, environmental and electrical testing, monitoring and performance validation.

LIVING LABS / MUNICIPALITIES

Real operational settings, users, permits, stakeholder engagement and measured pilots.

REPLICATION TERRITORIES

Regional or city partners able to test transferability, business models and scale-up.

INDUSTRIAL TECHNOLOGY PARTNERS

Lightweight PV, sensors, thermal/climate systems, charging, data and balance-of-system components.

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Invitation to co-develop

**The architecture is defined; selected
roles remain open.**

We are looking for partners who want to help shape
the proposal and take a measurable prototype into
real-world demonstration.

CO-DEVELOP

technical role + work package ownership

DEMONSTRATE

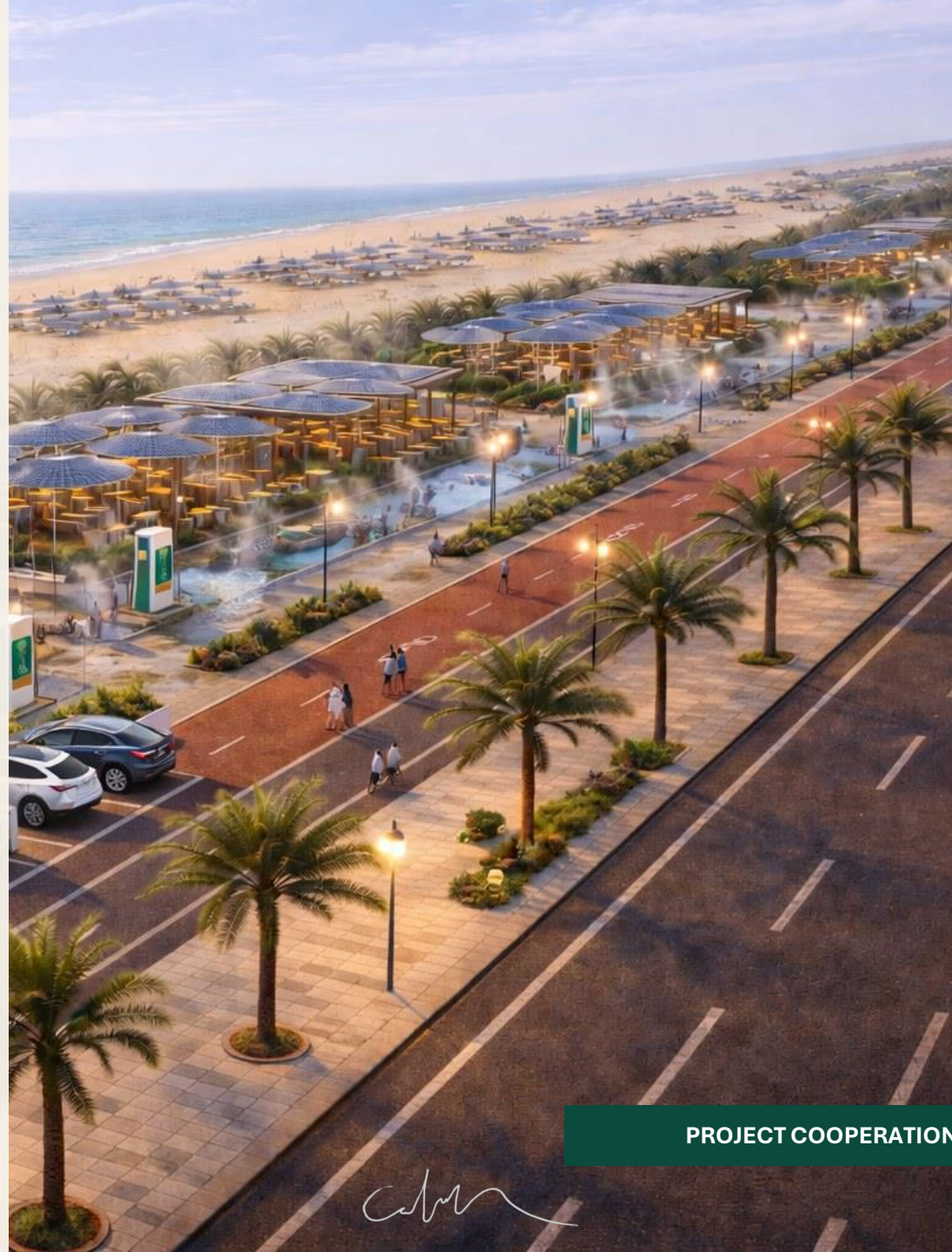
prototype + measured pilot

REPLICATE

regional scale-up + business model

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PROJECT COOPERATION · B2MATCH