

# Project Snapshot

## CYP Solar — Definition & Delivery Plan (Draft)

- **Project Type:** Utility-scale ground-mounted solar PV; Battery Energy Storage System (BESS) optional
- **Developer:** Owned and developed by CYP Solar Ltd
- **Planning Status:** Submitted January 2024; Approved December 2024; Construction begins 2025
- **Site & Capacity:** Location TBC — include site name, LPA, MWac/MWdc when confirmed
- **Project Purpose:** Deliver low-cost, low-carbon electricity; support grid capacity and regional net-zero goals

# Consenting & Regulatory Overview

## Planning, Compliance & Post-Approval Actions

- **Planning Route:** Local Planning Authority via Town & Country Planning Act; approved December 2024
- **Condition Discharge:** Address CEMP, LEMP, TMP, archaeology, noise, drainage, lighting before construction
- **Legal Obligations:** Finalize s106/s278 agreements and secure necessary financial bonds
- **Environmental Protocols:** Complete seasonal ecological surveys and biodiversity method statements
- **Construction Notifications:** Submit F10 to HSE; confirm CDM 2015 duty holders (Client, PD, PC)

# Delivery Timeline (Indicative)

## Phased Plan — From Pre-Construction to COD

- **Pre-Construction:** Condition discharge, grid lock-in, design freeze, LLIs readiness — Q1–Q2 2025
- **Procurement & Contracts:** EPC or multi-contracting; spares, warranties, O&M — Q1–Q2 2025
- **Mobilisation & Civils:** Site set-up, access works, drainage, trenches — Q2–Q3 2025
- **MEI & Grid Works:** Modules, cabling, SCADA, substation, protection — Q3–Q4 2025
- **Commissioning to COD:** Testing, energisation, O&M start — Late Q4 2025 to Q1 2026 (TBC)

# Workstreams & Owners (RACI-Ready)

## Accountability Matrix Across Delivery Functions

- **Regulatory & Consents:** Track condition discharge, manage submissions calendar, compile evidence pack
- **Engineering & Design:** Create layouts, SLDs, cable schedules, SCADA and security integration
- **Grid Connection:** Monitor DNO milestones, coordinate outages, deliver protection & witness testing
- **Procurement:** Source modules, inverters, transformers; set QA & delivery schedules
- **ESG & Biodiversity:** Implement LEMP, biodiversity uplift, stakeholder engagement, and job targets

# Procurement Strategy (LLIs First)

## Sourcing Approach for Key Components & Contract Models

- **LLI Prioritization:** Secure early orders for power transformers, HV cable, modules, inverters, structures
- **Contract Options:** EPC turn-key model for speed vs. multi-contracting for flexibility and cost control
- **Quality & Warranties:** Negotiate module/inverter warranties, PR guarantees, availability KPIs
- **Procurement Readiness:** Set QA plans, confirm delivery slots, define Incoterms for LLIs
- **Owner's Engineering:** Use technical advisors to review specs, FATs, and supply contracts

# Grid & Electrical Scope

## Interfaces, Compliance Studies & Delivery Obligations

- **Grid Counterparty:** Identify relevant DNO or Transmission Owner; confirm interface roles and points
- **Scope Split:** Define contestable (by contractor) vs. non-contestable (by DNO) works clearly
- **Technical Studies:** Complete G99 compliance, earthing, protection coordination, harmonic and flicker analyses
- **Key Deliverables:** Substation design, relay FAT/SAT, ENA forms, witness test coordination
- **Outage Planning:** Align construction windows with DNO outages and energisation timelines

# Construction Management (CDM 2015)

## HSE Roles, Controls & On-Site Safety Strategy

- **Defined Roles:** Client (CYP Solar Ltd), Principal Designer and Principal Contractor to be appointed
- **Site Controls:** Implement inductions, permits to dig, ecological & archaeological watching briefs
- **Construction Logistics:** Plan abnormal load routing, laydown areas, dust/noise management, and access control
- **Health & Safety KPIs:** Target Zero RIDDORs, LTIFR < 0.5, close-call system, monthly audits
- **Regulatory Notification:** Submit HSE F10 prior to works and maintain CDM documentation on-site

# Environmental & Community

## Sustainability Actions and Stakeholder Engagement

- **CEMP & LEMP:** Manage drainage, SuDS, soil, runoff control, and hedgerow buffers
- **Biodiversity Initiatives:** Implement long-term habitat plans, pollinator corridors, bird/bat boxes
- **Stakeholder Relationships:** Engage LPA officers, parish councils, residents, highways authorities
- **Communications Plan:** Launch newsletter, project website, community hotline and mailbox
- **Legacy Planning:** Explore community fund, local job targets, biodiversity monitoring for 30+ years



# Risk Register (Top-5)

## Key Delivery Risks & Mitigation Actions

- **Grid Programme Slippage:** Mitigation: early interface lock-in, weekly DNO meetings, built-in float
- **Supply Chain Delays:** Mitigation: dual-sourcing, framework agreements, logistics tracking
- **Condition Discharge Bottlenecks:** Mitigation: front-load submissions, pre-application meetings, named LPA contact
- **Ground & Archaeological Risks:** Mitigation: trial trenching, redesign allowances, pre-works GI campaigns
- **Weather & Ecology:** Mitigation: seasonal buffers in schedule, contingency time, method alternatives

# Commercial & Finance Overview

## Capital Strategy, Revenue Model & Insurances

- **CAPEX Banding:** Estimated £x–£y/Wdc, range influenced by design scope and procurement model
- **Revenue Model:** Options: sleeved or corporate PPA, merchant trading, potential CfD bid
- **Insurance Programme:** Cover for CAR, DSU, marine cargo, third-party liability, latent defects, O&M
- **Contractual Terms:** Include LDs for schedule/PR, performance incentives, spares readiness
- **Hedging (Optional):** Assess market options for fixed offtake price or cap-floor strategy

# KPIs & Reporting Framework

## Monitoring Metrics for Performance, Cost, Quality & ESG

- **Schedule KPIs:** % planned vs achieved; track critical path milestones closed
- **Cost Controls:** Monitor budget vs. commitments, LLI exposure, change requests
- **Quality Metrics:** ITP compliance, non-conformance reports (NCRs) closed within 10 days
- **H&S Indicators:** TRIFR/LTIFR, safety audit closures, near-miss ratios
- **ESG & Community:** Biodiversity delivery, local spend/jobs, community feedback index

# Next 90-Day Action Plan

## Critical Tasks & Deliverables by Week

- **Week 1–2:** Finalize condition discharge tracker; assign task owners and target dates
- **Week 2–4:** Submit final pre-commencement conditions; freeze Issued-for-Construction design
- **Week 3–6:** Lock grid programme with DNO; define contestable boundaries and outages
- **Week 4–8:** Award procurement contracts for LLIs; confirm delivery slots and Incoterms
- **Week 6–12:** Mobilisation planning, HSE F10 notification, community launch, contractor appointments

# Appendices Overview (A–E)

## Supporting Documentation & Delivery Tools

- **Appendix A: Site & Capacity Summary:** Details on MWac/MWdc ratings, PR assumptions, and energy yield forecasts
- **Appendix B: Condition Discharge Matrix:** Track planning conditions, reference evidence, task owner, and due dates
- **Appendix C: Grid Milestone Log:** Log ENA/G99 submissions, protection settings, FAT/SAT tests, energisation dates
- **Appendix D: Risk Register (Full):** Complete risk list with RAG status, probability, impact, and mitigations
- **Appendix E: Stakeholder Map & Comms Plan:** Identify statutory consultees, local contacts, engagement methods and comms frequency