

ALLYE

CONSTRUCTION



Electric plant on site.
No grid to charge it.

Charge electric plant anywhere on site

How contractors use MAX to charge excavators, telehandlers, trucks and vans, and run the site, with no grid connection.

Up to 1.28MW DC

ADR exempt

No grid needed

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THE PROBLEM

Electric plant is here. Site power isn't.

Clients and frameworks want zero-emission sites. Most sites have no supply to charge electric plant, at least not on day one.

No supply on site

Grid power arrives late in a project, if at all.

Short charging windows

Machines need fast top-ups at breaks and between shifts.

Charging from diesel

Burns fuel and fails the project's carbon target.

Sites that keep moving

Power has to follow the work, not the other way round.

HOW IT WORKS

One unit: the charging station and site power

MAX arrives on site, charges your electric plant and vehicles, and runs cabins and tools from the same stored energy.



1

Place

Towed, lifted or dropped from a hooklift: no pad, no fencing and no grid connection.

2

Charge

DC fast charging tops up excavators, telehandlers, dumpers, trucks and vans between shifts.

3

Recharge

Refills from site power, a generator or DC recharging, ready for the next shift.

PROVEN ON THE LOWER THAMES CROSSING

Four MAX500s charging electric excavators

Volvo, SANY and LiuGong machines on the Bouygues Murphy JV site, charged since January 2026 with no grid connection.



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VALIDATED AT LOWER THAMES CROSSING

Over £30,000 saved a week

in generator hire and fuel, against charging the same excavators
from on-site generators

Generators

Needed to charge the plant

None

DC fast charging

For electric excavators

240kW

Grid connection

Needed on site

None

2026

on site and operating
since January

>£1.5m

a year, at the
weekly saving

1st

major UK project with a
carbon limit

Baseline: generator hire and fuel for the same plant. Sources:
Allye case study with Bouygues Murphy JV; National Highways.
Annual figure: weekly saving × 52.

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PROVEN AT COLLINS EARTHWORKS

Electric trucks charged between quarry and site

A MAX1000 on a 125A supply, where a grid upgrade would have cost over £1m, saving around £2,500 a week in diesel.



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WHY MAX

Why it works on a construction site

No grid needed

Charging runs from stored energy, wherever the work moves next.

Charging built in

DC from 60kW to 1.28MW across the range, with no separate chargers to install.

Tow, lift or drop

MAX300 tows under 3.5t; MAX1000 and MAX1500 drop from a hooklift in under two minutes.

Transport made simple

Exempt from ADR in the UK, so MAX travels like any other piece of plant.

Easy for site teams

Operators run it on the ground, with Allye engineers on the end of the phone.

Safe and supported

CE and UKCA marked, every cell monitored 24/7, built and supported in the UK.

PROVEN

More sites running on MAX



UTILITIES

SSEN

Powering 40 homes from a substation in place of a diesel generator



POWER RENTAL, IRELAND

Horizon Plant

Hybrid with tower crane generators: 70% less fuel, £1,500 a week



FLEET CHARGING, SCOTLAND

J&M Murdoch

DC fast charging from a 32A supply, deferring a £300k grid upgrade



SITE RESILIENCE, ENGLAND

Roadchef

Peak support keeps it under its 315A limit: £120k saved in year one

TRUSTED BY

JLR

e-on

roadchef

Collins

OnBio

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NEXT STEP

Electrify your next site

Tell us the machines, the shift pattern and the power you have on site. We'll size the system and show the fuel and cost saving.

ASK FOR

- 1 A free fuel and CO₂ model for your site
- 2 Hire, buy or lease options
- 3 The full MAX range brochure and specifications

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