

Generating Solar Energy from Car Parks

Case Studies: Bentley Motors & JP Morgan Chase

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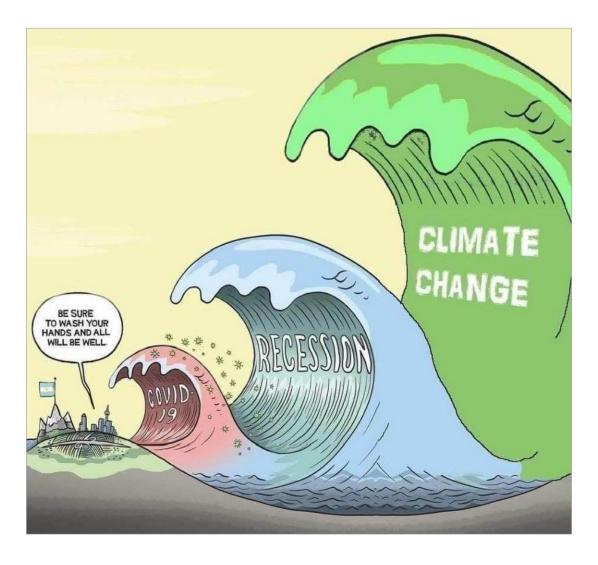


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Why Solar Car Parks? Facilitate EV Uptake & Green Recovery





Why Solar Car Parks? Tackle 68% of UK GHG Emissions



Sources of UK Greenhouse Gas Emissions								
(MtCO2e)	1990	1995	2000	2005	2010	2015	2017	2018
Transport	128	130	133	136	125	124	126	124
Energy Supply	278	238	222	232	207	145	112	105
Business	114	112	116	109	94	85	81	79
Residential	80	82	89	86	88	67	67	69
Agriculture	54	53	50	48	47	45	46	45
Waste Mgmt	67	69	63	49	30	21	20	21
Industrial	60	51	27	21	13	13	11	10
Public	14	13	12	11	10	80	8	8
LULUCF	0	(2)	(4)	(7)	(9)	(10)	(10)	(10)
Total	794	745	708	684	601	498	461	452



Why Solar Car Parks? 3Ti Vision



We see a world in which organisations & vehicles are powered by solar car parks

We know carbon emissions are the biggest driver of climate change & account for 81% of the UK's greenhouse gas emissions¹

We believe that organisations can drive the transition

We believe that the time is now

We believe that solar car parks are beautiful

We know that climate change is humanity's greatest threat



We know that transport (28%), energy supply (23%) & business (17%) account for 68% of UK carbon emissions¹

We believe in democratised, decentralised renewable energy

We believe in EVs & that they must be fuelled by renewable energy

We believe that EV charging must be clean & simple

What is a Solar Car Park? Powering EVs & Organisations



3Ti Design, Finance, Build & Operate Solar Car Parks that supply Electric Vehicles & Organisations with Solar Power



What is a Solar Car Park? 3Ti Process



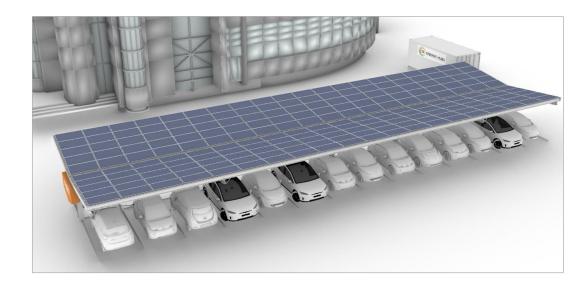
Assessment

Development

Finance

Construction

Operation & Maintenance

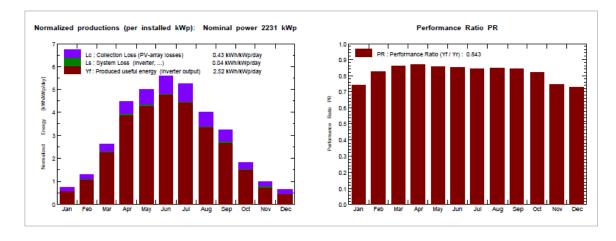




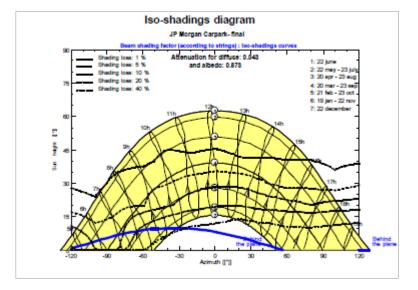
JP Morgan Chase - Assessment: Solar Modelling, Shading, Surveys, DNO



Car Park Size:	821 Spaces
PV Installation:	2.24 MWp
PV Panels Installed:	5,337
Annual Yield:	2,352 MWh
Battery Storage:	n/a
Funder:	JP Morgan Chase
DNO:	SSEN

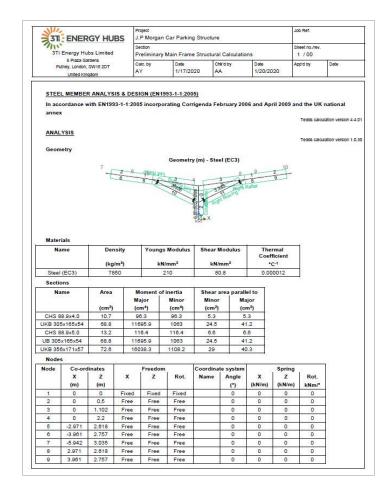






JP Morgan Chase - Development: Detailed Design, Structure, Planning

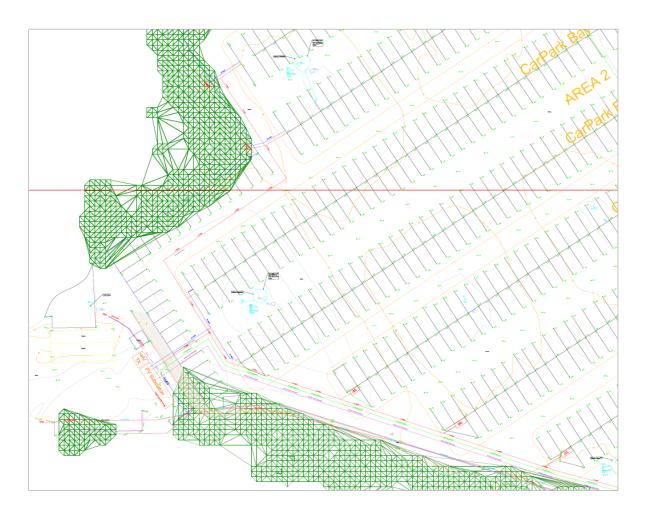


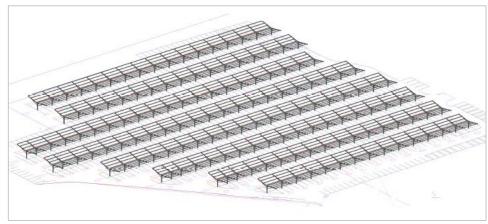




JP Morgan Chase - Development: Contracting, Delivery Plan, Mobilisation











Bentley Motors, Crewe - Finance: PPA, Battery & EV Chargers



The UK's Largest Solar Car Park

Car Park Size:	1,378 Spaces
PV Installation:	2.70 MWp
PV Panels Installed:	10,000
Annual Yield:	2,592 MWh
Battery Storage:	4.60 MWh (planned 2021)
PPA Term:	30 years
Funder:	Third-Party
O&M Contract:	3Ti Energy Hubs Limited











Bentley Motors, Crewe - Construction: The Devil in the Detail















Bentley Motors, Crewe - Construction: Team Work & Innovation











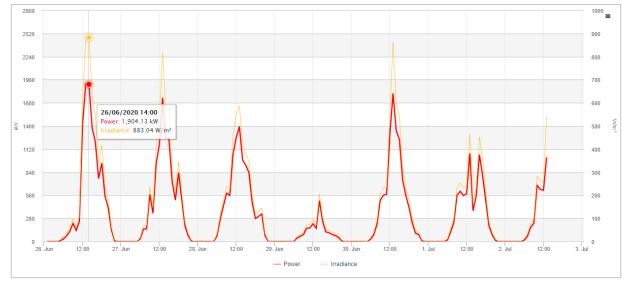
Bentley Motors, Crewe - O&M: Back Office, Monitoring & Reporting







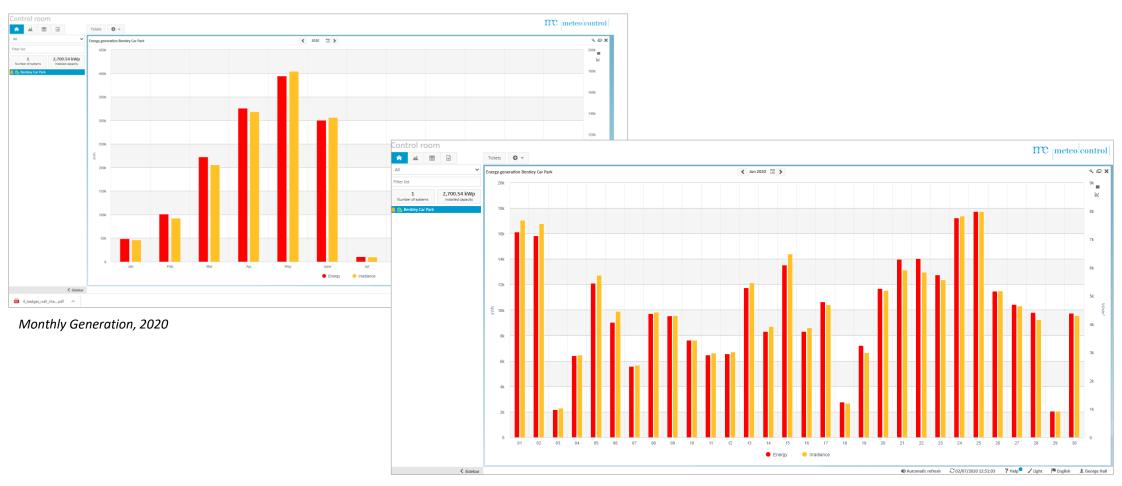




Daily Generation, June/July 2020

Bentley Motors, Crewe - O&M: Attention to Detail





Daily Generation, June 2020



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