

TOP 10 TIPS

FOR

ASSET

OWNERS



MEET OUR FOUNDER

John Davies CEng is a chartered engineer and has over 16 years of experience in the Energy sector. A former station manager of Uskmouth Power Station and Operations Director at Cobalt Energy, John has amassed a huge amount experience in power generation asset development, construction, commissioning & operation, and has operated at senior management & board level for over 10 years.

“My journey has taken me from the black of fossil fuels to the clean & green of renewables. My passion is all things renewable & sustainable. I want to make a positive impact on the world by encouraging, educating, promoting & deploying emerging energy solutions to decarbonize our planet.”



WHERE DID THESE TIPS COME FROM?

Over the last two years our founder John Davies CEng has been working on his debut book which is set for launch on 3rd November 2021. During his research and picked up over the last ten years visiting over 10% of the UK fleet, John has created a suite of 'Top 10 Tips' pdf's which are referenced in his book and offer Developers, Asset Owners, Asset Managers, Policy Makers, EPC's, O&M's and TA's a condensed list of recommendations to make utility scale PV better. Whether that be improving operational assets, applying lessons learnt from the UK solar boom, or deploying quality focused services for the wave of subsidy-free new build sites. We would encourage you to apply as many of these recommendations as you can and share these pdf's far and wide. We hope you enjoy.

TOP 10 TIPS: ASSET OWNERS

1 **Assess your operational portfolio and conduct health checks**

Which assets have been constructed well, have reputable equipment, materials and spares, are performing well and have been maintained well? Focus on the worse performing assets for easier gains.

2 **Inspect your sites, starting with the worst performing**

Undergo a Site Optimisation Suitability process to look for opportunities to improve and optimise your operational fleet and start with the worst performing sites.

3 **Apply appropriate processes to understand your sites**

Apply the Road2Repower process on these sites to understand what you need to do to shore up the higher risk assets.

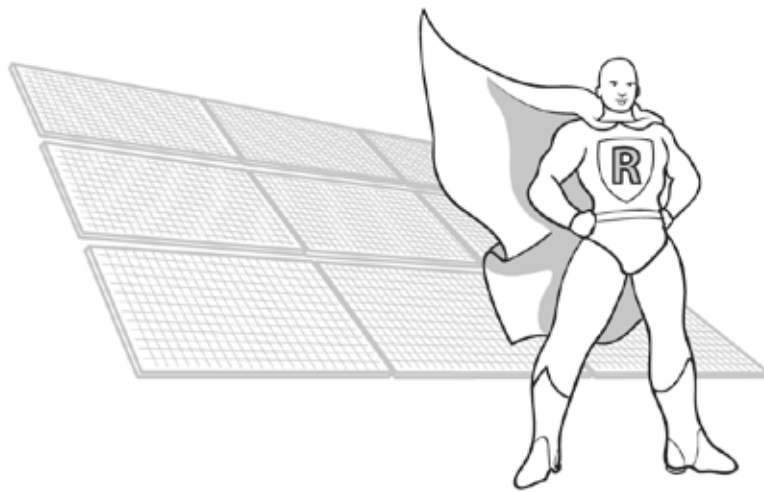
4 **Consider retrofittable solutions**

Consider retrofittable solutions to enhance your assets performance. There are several out there and many have very positive paybacks and performance uplifts.

TOP 10 TIPS: ASSET OWNERS

5 Seek advice from specialists in Revamp & Repower

When considering revamp and repower projects, please ensure you seek advice from specialists in this area. Resident O&M's might be the easiest to engage with, but are they best suited to plan and execute these types of projects?



6 Reforming of O&M contracts

O&M contracts need reform. They need to be site specific, the liabilities and risk distribution needs balancing up, and you need to introduce incentives to your asset managers and O&M's to reward performance gains.

7 Develop responsibly

Whether you develop yourselves or have a development partner who feeds you projects, make sure that your pipeline is developed and designed technically and ethically to the highest standards possible. There is still a huge range of development standards out there which need improving. Review IET, Code of Practice for Grid-connected Solar Photovoltaic Systems and reference it in your employers requirements documents.

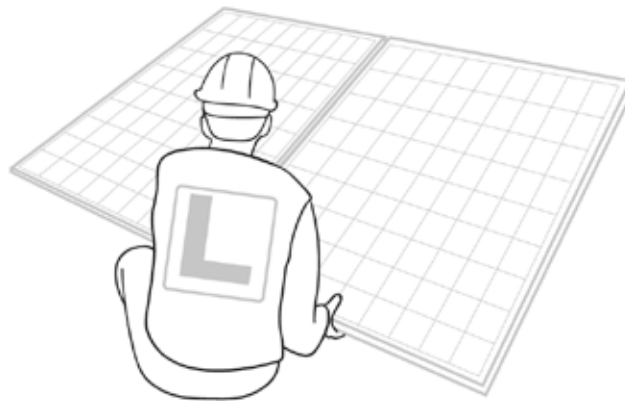
TOP 10 TIPS: ASSET OWNERS

8 Invest in end-to-end quality

IPP's are doing it, investing in procurement support, factory audits, pre-installation testing and construction quality assurance. This is already paying off and will create high quality, long-lasting assets.

9 Invest in training & competency

Realise that most investment funds live in the world of finance, economics, dividends, shareholders and offices in the city. You must develop strong technical roots out into the soil of solar farms. Ensure you recruit experts and train all of your teams in as many aspects of solar PV as you can, it will pay off. See 2DK's training courses at: www.2degreeskelvin.org/training



10 Invest in asset knowledge

Whether this be in the latest data monitoring system, inbuilt sensors, conducting surveys, investigations and testing, investing in digital twin data management platforms or seeking advice from specialist experts. Knowledge is power and every watt counts.

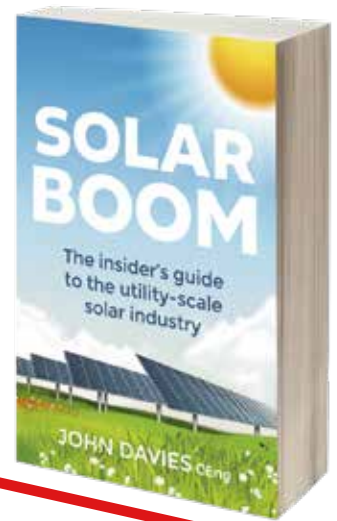
Want to read more? Check out our Founder's debut book, due for launch 3rd November 2021

SOLAR BOOM BOOK LAUNCH

The global demand for green energy has never been higher, and it's set to soar.






There's never been a more critical time for us to harness the power of the sun, and with the world deploying solar photovoltaic (PV) technology more quickly than ever, we need to get it right.

Offering insights from the frontline of the utility-scale solar industry, Solar Boom sets out the pathway to success and how to avoid mistakes in your new-build pipeline, whether you're a solar newbie or a veteran.



E-BOOK LAUNCH 3RD NOV

Read this book to understand:

-  Who's who in the utility-scale solar industry
-  Strategies to revamp and repower your portfolios
-  How to enhance your ageing and underperforming assets
-  The key mistakes of the subsidy-driven solar boom and how to avoid them
-  The future of solar PV and its potential to save the world from the effects of climate change

Book Testimonials

"John's passion for renewables is highly contagious and his call to fight to save the planet is powerful. His inspiring book is particularly accessible to those with little to no knowledge of solar energy and gives great insight into the UK Solar Boom: the what, who and why. Buckle up and enjoy this solar coaster!"

Arnoud C. Klaren

Head of Projects, Quintas Advisory

"A comprehensive but easy to read book about the whole solar powered universe. Providing an in depth knowledge especially for those people entering the professional solar business."

Erik Lohse

Solar Quality Expert and Creator of the MBJ Mobile Lab

"A must read textbook for the utility scale Solar PV industry! John, articulates clearly and dives deep into the details, addressing the issues and providing applicable solutions. Whether you are a newcomer in the industry or a seasoned professional, this book is the one that you will always refer back to."

Ypatios Moysiadis

Wattcrop Managing Partner & City University Postgraduate Lecturer

BOOK YOUR FREE CONSULTATION

If 2DegreesKelvin can add value, we will design an optimised solution bespoke to your requirements. If we are unable to assist, then we'd be pleased to make introductions to other independent specialists.

Book your FREE 30 minute consultation with our Founder & CEO John Davies CEng.



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