

# TOP 10 TIPS

## FOR

# EPCs



# 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.”*



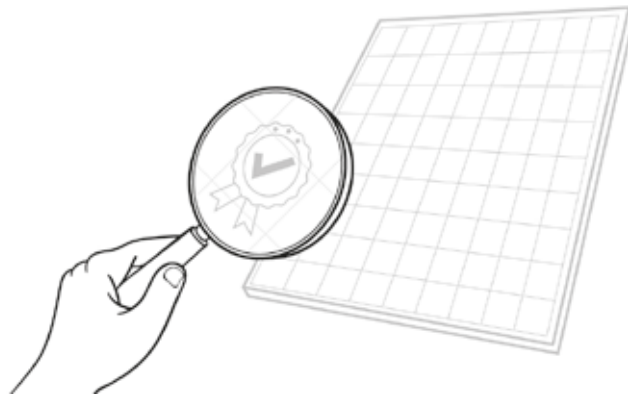
## WHERE DID THESE TIPS COME FROM?

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: EPCs

## 1 Design your sites with operability and longevity in mind

Its not all about short term gains through saving a few hundred metres of cable, or not building up foundation levels on sub-stations. Your reputation will proceed you.



## 2 Invest in quality upstream & downstream quality services

Know your suppliers and their products. Ensure manufacturing facility audits are carried out, and proactive testing.

## 3 Get the cable management & UV protection in place

Think this through with the mounting structure design beforehand, to make sure your cable radii are in specification, that cables don't have sharp edges near them, DC connectors are not forming drip-points and there are suitable UV protection solutions in place between tables. This is easy pickings for TA's.

## 4 Get the Earthing right

A relatively cheap thing to get right, and expensive thing to get wrong. One of the most common complaints from TAs in PAC & FAC punch lists is to do with earthing.

# TOP 10 TIPS: EPCs

## 5 Get your Access Tracks right

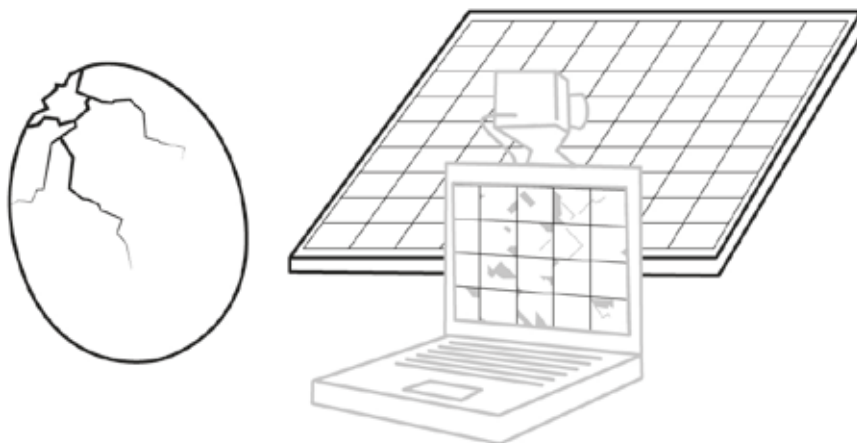
I've lost count of the number of sites where it is an afterthought, or they have been done as cheaply as they can get away with. These parks need to last for 25 years plus, not the 2-year warranty period.

## 6 Invest in your own signage & asset labelling equipment

First impressions go a long way, and when you have professionally printed or engraved signage and labelling everywhere, its surprising how far this goes.

## 7 Invest in quality kit

We have all been wooed by some of the more value-for-money brands out there, but it is shocking how many times, poor quality equipment has come back to haunt EPC's. Just because they are a global player, doesn't mean they manufacture high quality equipment. Do your due diligence, The Bloomberg list isn't everything and pay for the good stuff.



# TOP 10 TIPS: EPCs

## 8 Invest in module handling excellence

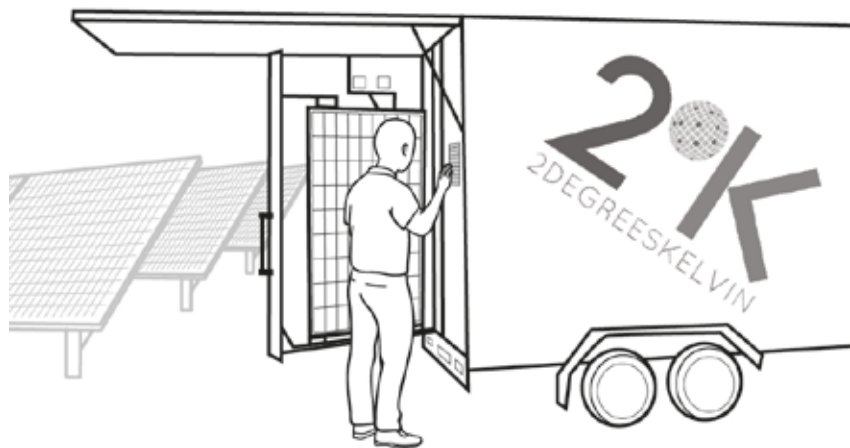
Define your expectations in terms of module handling with your DC sub-contractor, this is rarely done properly, and pro-actively insist on pre and post installation EL testing to evidence your best in industry standards.

## 9 Get the Health & Safety right

Invest in good quality and knowledgeable CDM & Environmental specialists to ensure you have everything in place to exceed your client's needs. Get on top of the owners engineer (TA) to make your life easier. If you try to cruise and do it the way you've always done it, then the owners engineer will make your life a misery.

## 10 Knowledge is power

Invest the time in documentation coordination and record keeping. Remember the proverb: In the land of the blind, the one-eyed man is king. The person who keeps the best notes and order of their documentation wins the game. Be a winner!



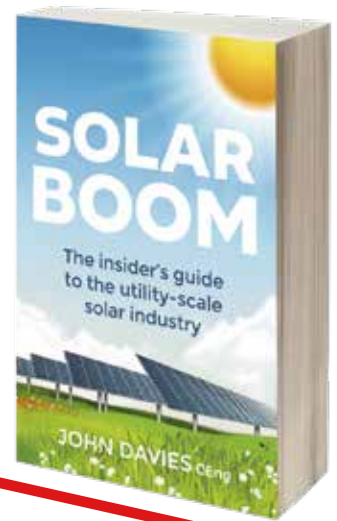
**Want to read more? Check out our Founder's debut book, due for launch 3rd November 2021**

# 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**

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



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