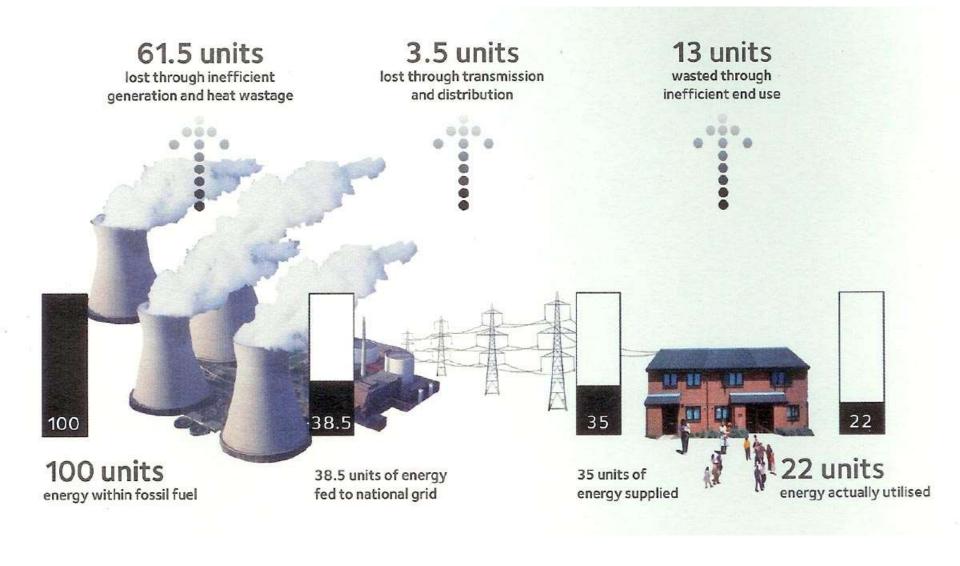
energy revolution Verm anida to making it become

Your guide to making it happen Howard Johns



flick the switch

energy excess



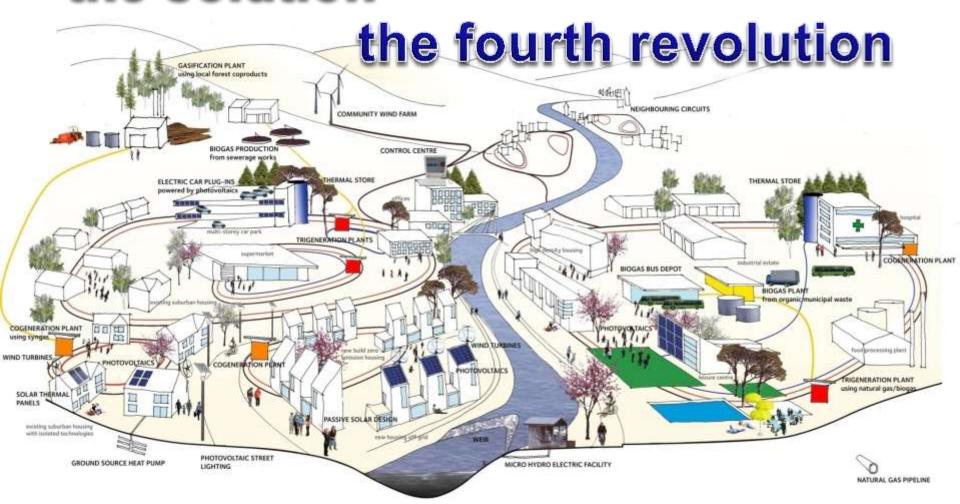








the solution



the energy revolution

UK

offshore wind

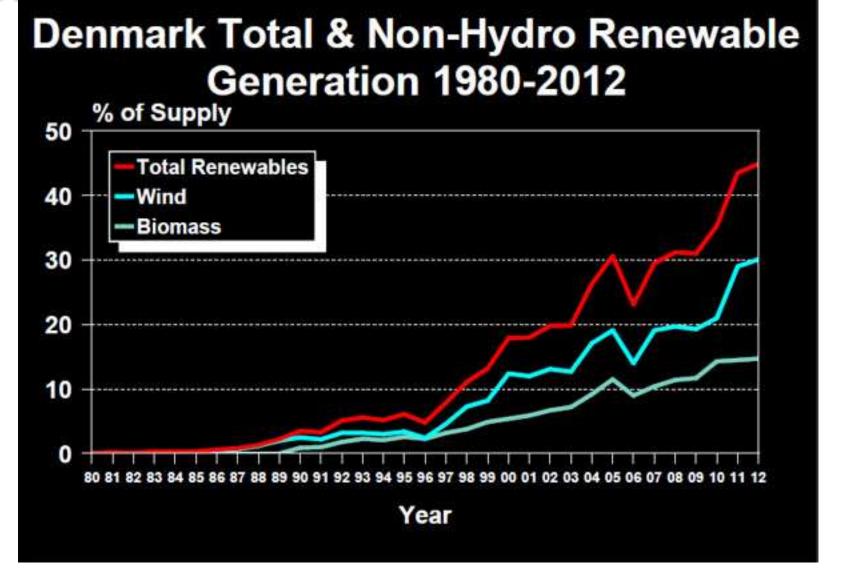


14% renewable electricity 2014



First mover communities

Denmark



2014 - 40% of Electricity from Wind power

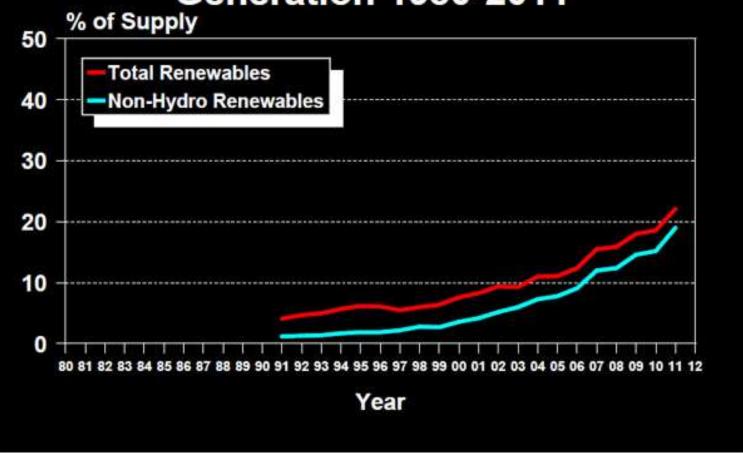
Denmark Samso





Germany

Germany Total & Non-Hydro Renewable Generation 1980-2011



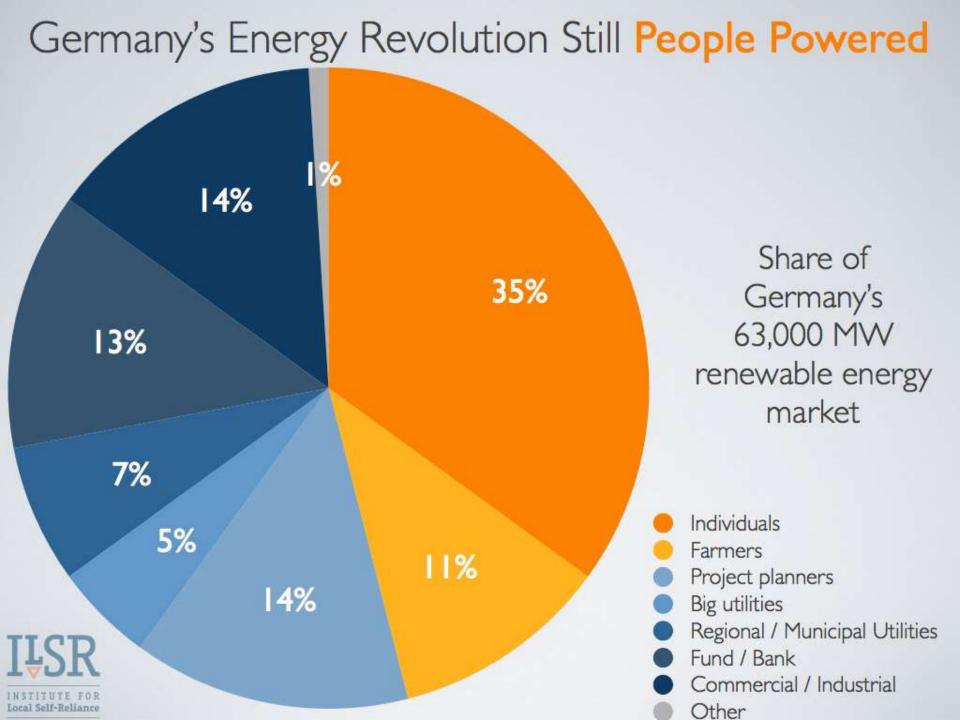
2014 - 28% of Electricty from Renewable Energy



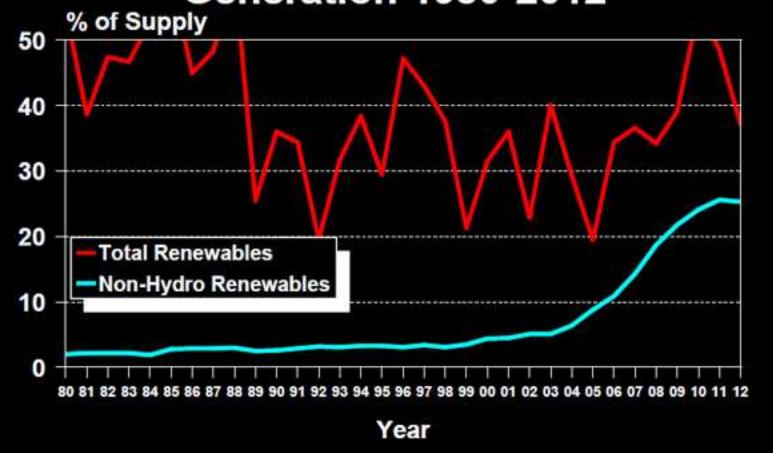








Portugal Total & Non-Hydro Renewable Generation 1980-2012

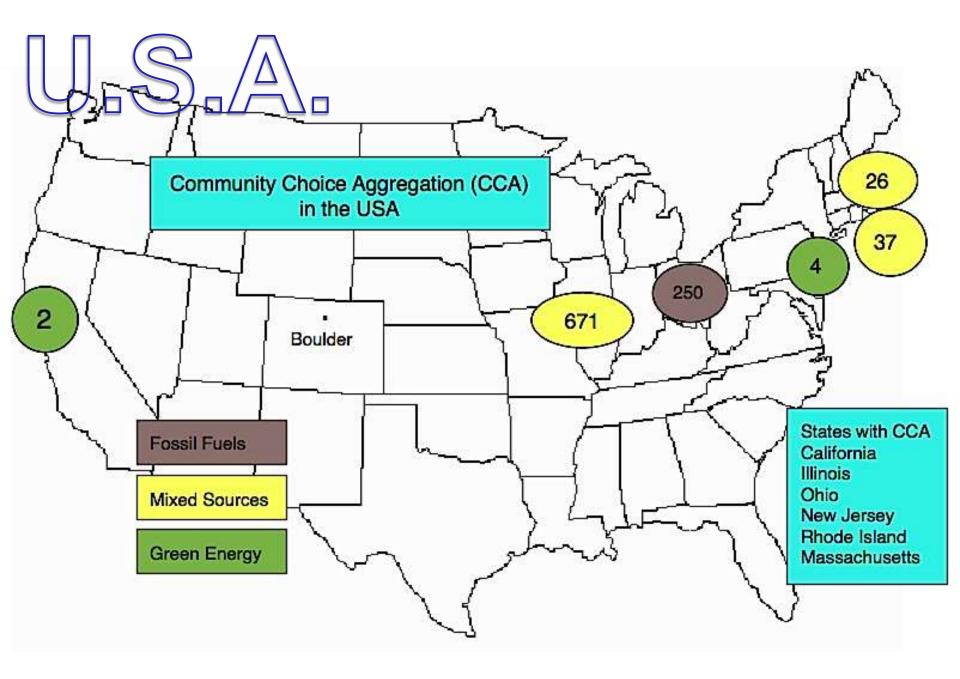












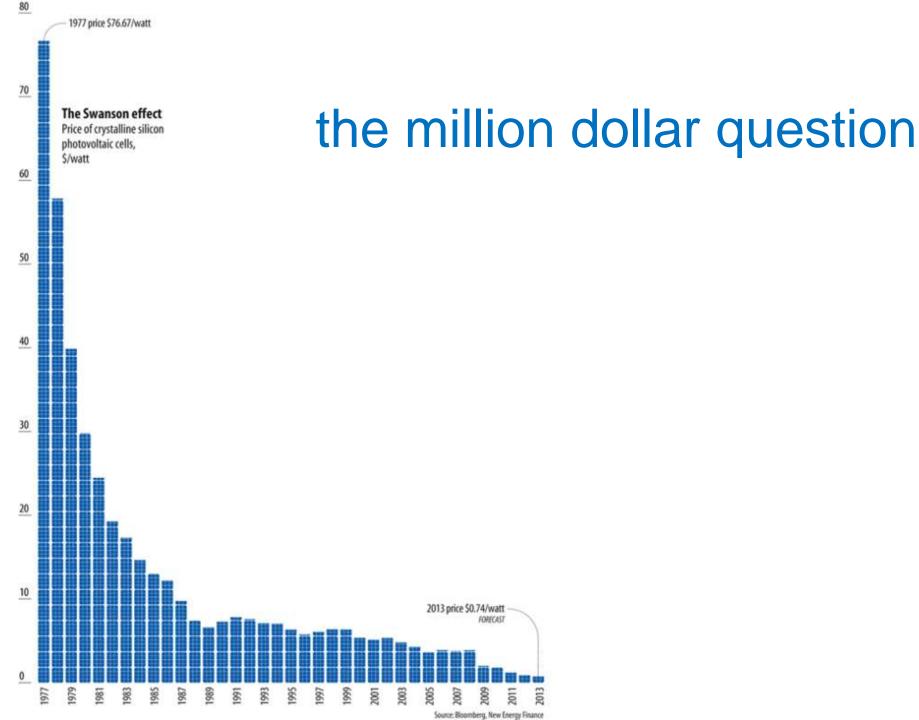
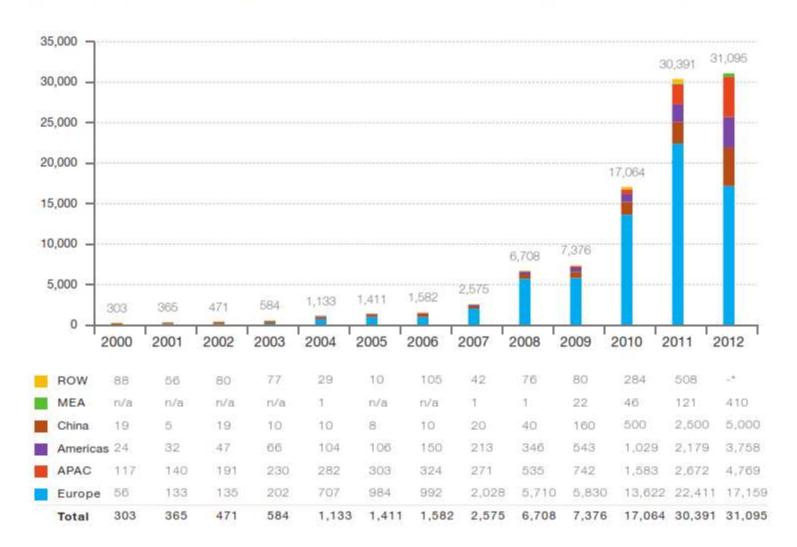
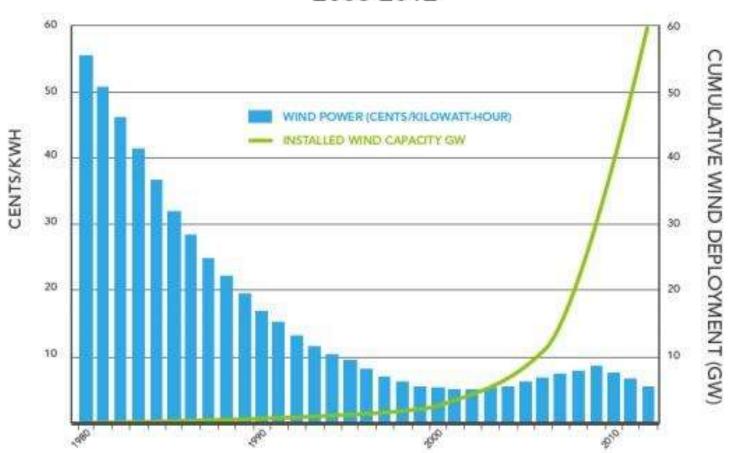


Figure 2 - Evolution of global PV annual installations 2000-2012 (MW)

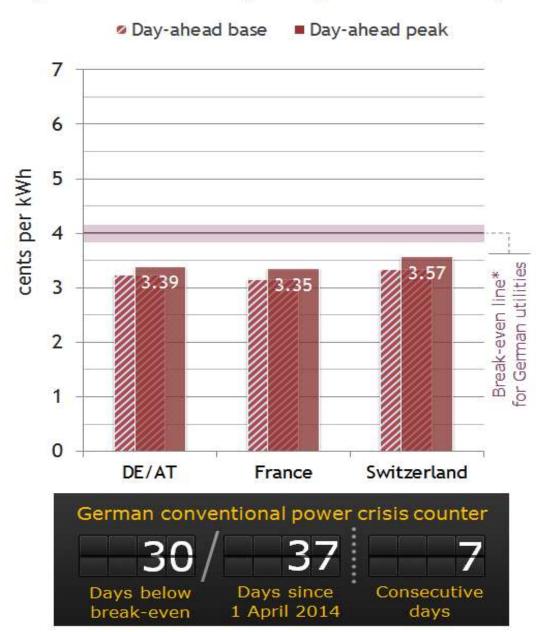


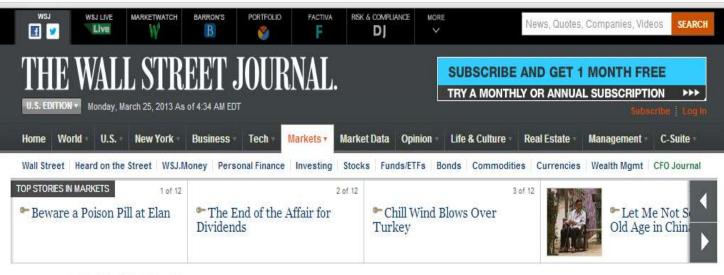
Deployment and Cost for U.S. Land-Based Wind 2008-2012



DISRUPTIVE RENEWABLES

Day-ahead wholesale power prices for 06 May 14





MARKETS | March 25, 2013, 4:34 a.m. ET

Utilities Facing a 'Mortal Threat' From Solar



"They can't cut costs, so they will try to





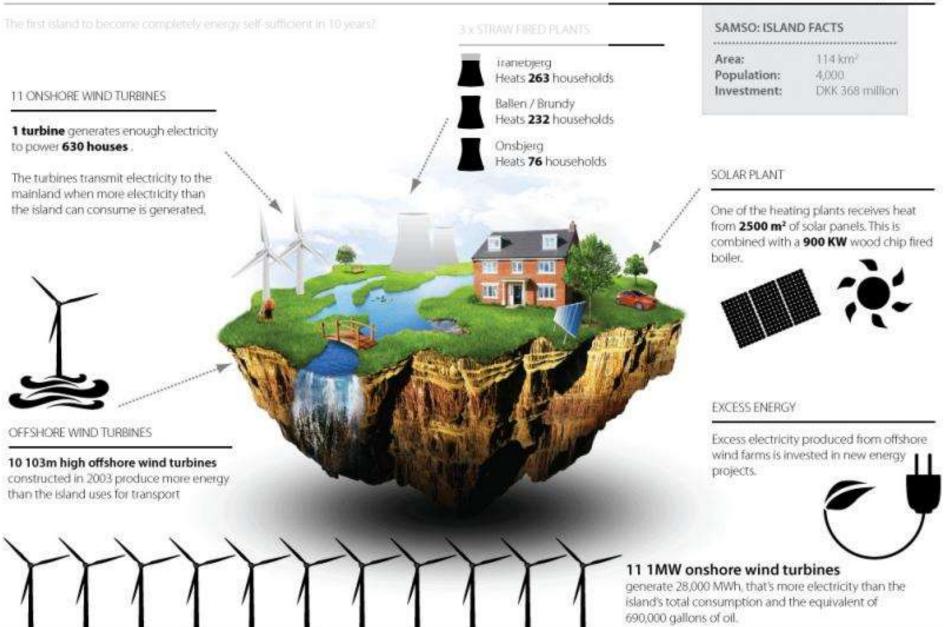


Bangladesh

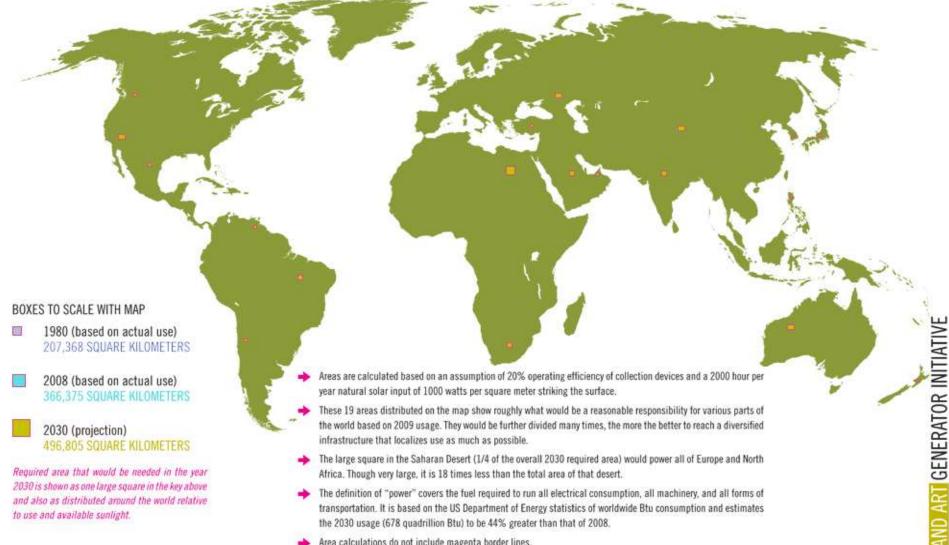


100% renewable





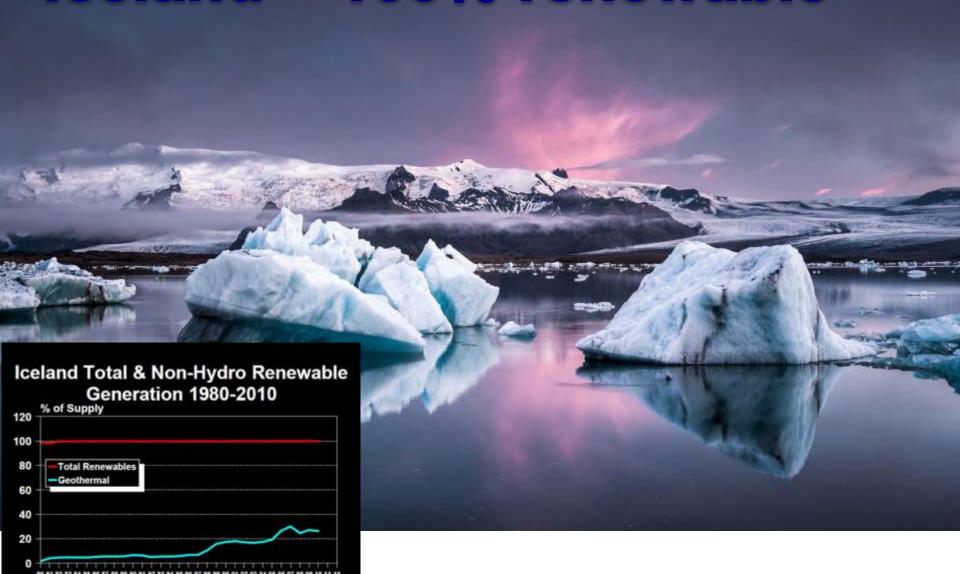




Area calculations do not include magenta border lines.



Iceland – 100% renewable



Year



Solar subsidy cuts legally flawed, high court rules

The government's decision to stash feed-in tariff incentives for solar installations breached rules governing consultation exercises

John Vidal

guardian co.uk, Wednesday 21 December 2011 15:45 GMT Article history

ttle lines



The high court has upheld a challenge against the government's plans to stant solar subsidies, Photograph: Realimage/Mamy

Government plans to slash incentive payments for householders who instal solar nanels were on Wednesday ruled "legally flawed" by a hint

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THE INDEPENDENT ON SUNDAY

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A black week for green energy

he boast that the coalition would be "the greenest government ever" came to a sad end last month. Its death be dated precisely to the deration by George Osborne, the ancellor of the Exchequer, at Conservative annual confere that Britain would cut car-

desire to show leadership and Mr Osborne's determination that the Government should not become carried away with expensive gestures. This newspaper had hoped, in the dying days of Tony Blair's premiership, that Britain had opted for the role of green leadership. It was David Miliband's idea, when he was Mr Huhne's predecessor, that this country should set a green

to all that with his conference speech. "We're not going to save the planet by putting our country out of business," he said, which suggests that Britain cannot afford the luxury of green fripperies in hard times. Of course, we accept, and Mr Huhne accepts, that green prices have to be set at the right level. It would seem that the subsidy for solar power - the price

wind. The counter-argument is that the more that solar panels are made and installed, the cheaper they become and the greater the incentive i and similar plans for 3,000 homes for firms to invent cheaper tech- im are in doubt. nologies. Ernst & Young consultants predict, for example, that in the four years from 2009-2013 the price of installing panels will have more than halved. With the Fukushima disaster back on our screens

gners, solar power firms and housing tions have written to the PM calling to ditch the plan. Those who signed Tory MP Rebecca Harris, Green MP ie Lucas, more than a dozen housing tions, the Solar Trade Association

etter says: "The scheme has proven te potential of renewable energy to leviate fuel poverty in some of the r's poorest households

cut in state subsidies for "feed-in" tariffs will cost up to 30,000 jobs and make a mockery of David

Cameron's boast he would lead the greenest government ever". Shadow Energy Minister Caroline Flint said: "This means thousands of lost jobs in regions already hit hard when the country is desperate for growth."

Feed-in tariffs let homeowners or landlords sell back to the national grid excess energy ar panels on their properties.

olicy helped create developments jusing estate in Aspley, Nottingham, nore than 600 householders have I solar panels.

w a scheme to put solar panels on mes in mid-Wales has already been



opportunity - the new story



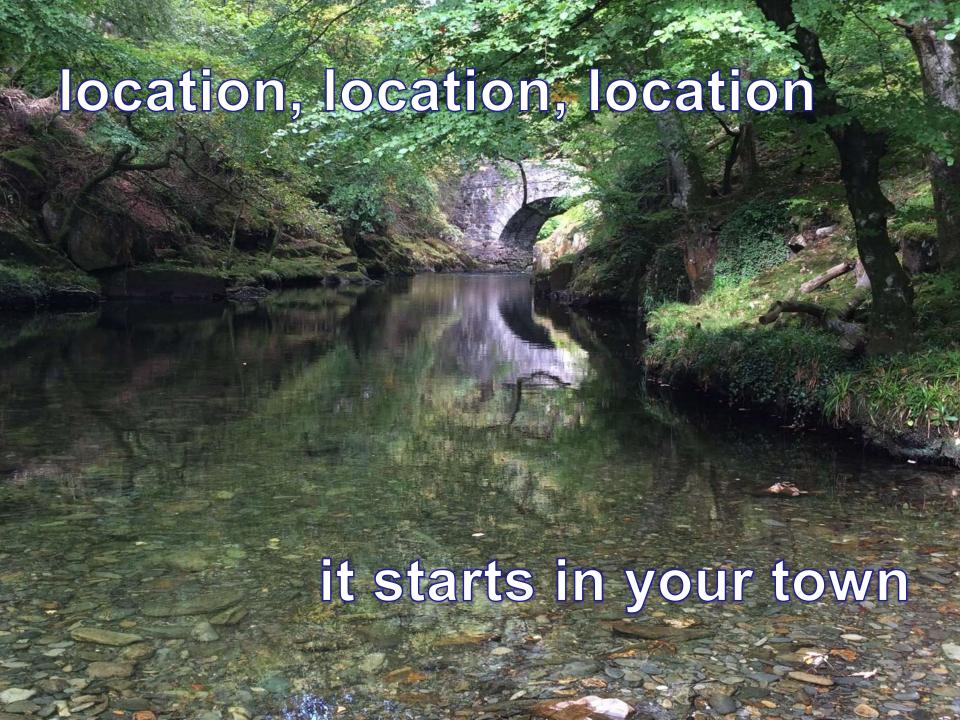






Fuel POVERTY

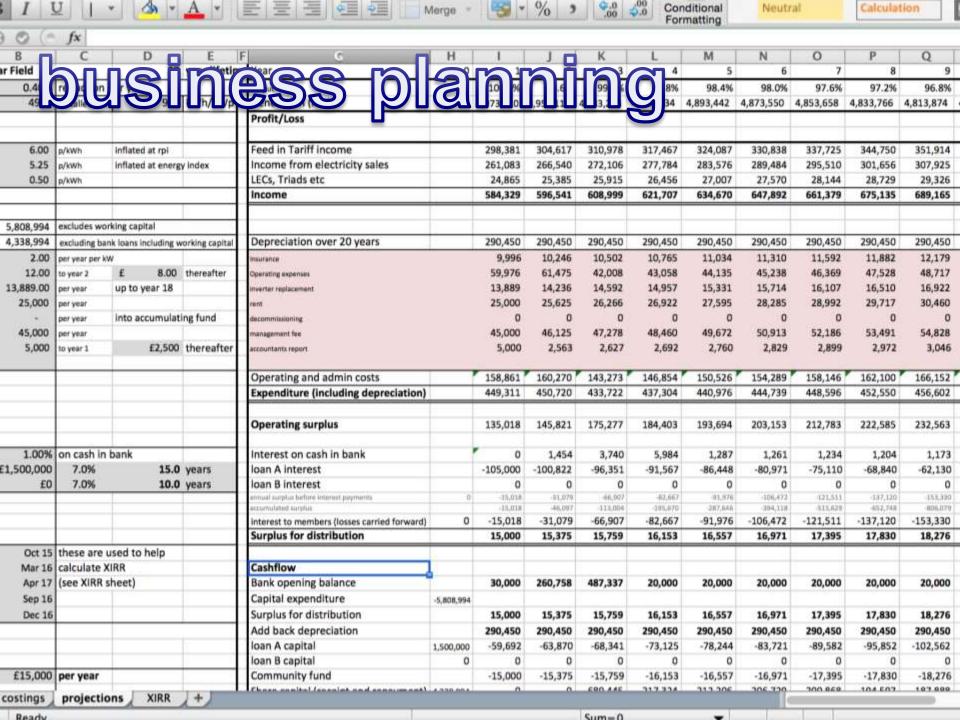




it starts with people









marketing and promotion





making



Solar power station plans for brewery

arriemone#@execemewspapers.co.uk

REMARKABLE plans are in the pipeline to make Harveys Brew-ery a community-owned solar power station.

Richicity would be generated from the roof of the Daveys Lone Deput in Leves, the brevery's main storage and distribution ware-

The feasibility of the arrived is heing discussion by Farways and Lewes-based specialists OVESCo Lordied and a plenning application has been submitted to Lewes Dis-

would turn the building into one of the first solar nower stations in the the first sear power sgarons in the country – and centime to build on flarveys' reputation as an environ-mentally responsible company. Technically, the scheme would

nyolve installing a SSkW solar ohe towakaic array on the root of the Deveys Lane building. The 540 also towakaic (PV) panels would gener-ate 35,000 kilowat hours of 'graem' also received from the National Grid sade year — enough to save more than 54 forms of COS samosily. Miles denner, Bleat Revener at Harveys, said, "OWESCO are process and experts in the field and

as a Lewes company we wanted

objectives. It's very much a controlthere's combined enthusiasm for the scheme."

The planning application for the

544 PV modules includes internally installed inverters, wiring, switch gege/control and sauge probation devices.

discussion about the notantial bonefits to both organisations and the

local community.
A spokesomen for OVESCo, of Sta-tion Street, said: "The system, coos completed, would have varually in visual impact on the surroundings, but would silently make ereen elec-

plored, individuals would be able to invest in the project through OVESCo, which a an industrial and Provident Society - as an IPS It is a not-for-profit organisation for community benefit.

If the discussions between the of the offer The feed-in terrift, waid for each unit of elementary seper sted and currently guaranteed by guaranteen for 25 years, will enable OVESCo to pay dividends to investors. Anyone into osted in the in













"Another world is not only possible, she is on her way. On a quiet day, I can hear her breathing." - Arundhati Roy

howardjohns

howard@southernsolar.co.uk www.southernsolar.co.uk www.ovesco.co.uk

energy revolution



Out 2015

Permanent Publications / Chelsea Green found on a number of Irish Megalithic and Neolithic side.

The triple spiral or triskele is a Celtic and pre-Celtic symbol found on a number of Irish Megalithic and Neolithic sites, most notably inside the Newgrange passage tomb, on the entrance stone, and on some of the curbstones surrounding the mound.