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# **Blockchain For Energy And The Environment Can Blockchain Tackle Climate Change Handy Blockchain By Dean Pratt**

how the energy blockchain  
will create a distributed grid.  
can blockchain technology  
save the environment.  
blockchain amp sustainability  
blockchainhub. what can  
blockchain do for the  
environment ensia. what  
blockchain can do for the  
environment greenbiz.  
blockchain in energy 7  
possible use cases disruptor  
daily. blockchain and energy  
everything you need to know.  
when it es to blockchains and  
energy usage nori medium.  
how is bitcoin affecting the  
environment cbs news.

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blockchain a true disruptor for  
the energy industry.

blockchain in the energy  
transition hope or hype.

blockchain for the  
environment 3 use cases the.

blockchain in the energy  
market iberdrola. how

blockchain is boosting  
renewable energy

dataconomy. blockchain the  
secret to a sustainable supply

chain. environmental  
implications of blockchain

inside ecology. what is  
blockchain is it the future of

energy energy. what can  
blockchain do for the

environment energy xpirt.

energy blockchain labs inc

ibm. microgrids and the

blockchain are powering our  
energy. blockchain and

environmental sustainability  
energy leader. 7 ways

blockchain can save the  
environment and stop.

blockchain energy inc energy  
related projects. 8 ways

blockchain can be an

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environmental game changer. blockchain can speed up asia s clean energy transition. can blockchain pave the way towards environmental. blockchain in the energy sector uses and applications. 4 ways to counter blockchain s energy consumption pitfall. how blockchain will help save the environment world. bitcoin blockchain consumes a lot of energy engineers. what are the environmental effects of blockchain. blockchain technology in the energy sector a systematic. why the energy sector must embrace blockchain now ey. about energy blockchain consortium. how blockchain is changing the energy industry. revive aging power grids with blockchain a new model for. energy and blockchain the most promising applications. blockchain an opportunity for energy producers and. can

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blockchain fix the  
environment smart cities  
world. how blockchain  
improves the energy  
management systems sector.  
what can blockchain do for  
the environment opinion.  
blockchain and energy  
everything you need to know.  
7 ways blockchain can stop  
climate change and save the  
environment. energizing the  
future with blockchain how  
the environment. a curious  
plan to save the environment  
with the wired. 10 blockchain  
startups transforming the  
environment. when  
cryptocurrency goes green  
blockchain can save the. can  
blockchain impact the  
environment smu blockchain  
club. blockchain may be  
fueling the green energy  
revolution

***how the energy blockchain  
will create a distributed  
grid***

*May 26th, 2020 - the*

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*blockchain could serve as the foundation of a system for connecting energy grids delivering more efficient and environmentally sustainable energy according to greentechmedia a news site for the global clean energy market one pany 103 energy is building an open source cryptographically secure blockchain to manage transactions across a microgrid'*

## **'can blockchain technology save the environment**

May 13th, 2020 - second the idea that energy intensive blockchain systems are needed to ensure the world shifts to clean environmental practices like sustainable land use legitimate carbon offsets and'

## **'blockchain amp sustainability blockchainhub**

**May 21st, 2020 - while this**

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**technology is in fact energy  
intense most media  
coverage fails to pare the  
co2 footprint of bitcoin  
transactions with the co2  
footprint of state of the art  
non blockchain solutions  
like bank transactions and  
also better to mention that  
the crypto community is fact  
working on solutions to  
this problem all of which i  
will address and cover in a  
separate blog post"what  
can blockchain do for the  
environment ensia**

May 10th, 2020 - with  
blockchain in the picture the  
effort of meeting demand and  
managing supply between  
consumers and a distributed  
array of micro energy  
producers can be left to  
computers the idea that you have  
all these connected devices  
able to talk to each other and  
optimize their consumption  
without going through any  
central hub means that you  
can now optimize pockets

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and smaller areas of grid  
and"**what blockchain can  
do for the environment  
greenbiz**

**May 23rd, 2020 - with  
blockchain in the picture  
the effort of meeting  
demand and managing  
supply between consumers  
and a distributed array of  
micro energy producers  
can be left to puters the  
idea that you have all these  
connected devices able to  
talk to each other and  
optimize their consumption  
without going through any  
central hub means that you  
can now optimize pockets  
and smaller areas of grid  
and"*blockchain in energy 7  
possible use cases*  
*disruptor daily***

*May 24th, 2020 - the ability to  
tokenize energy credits using  
blockchain technology  
presents the opportunity for  
carbon offset credits to be  
more easily issued these  
credits can be purchased by*

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*panies and individuals or used as a punitive measure to shall we say encourage adherence to emissions standards'*

**'blockchain and energy everything you need to know**

**May 14th, 2020 - energy and our environment with wholesale electricity distribution the blockchain is used so energy consumers can buy and sell energy directly to the grid in real time with technology like the smart energy agent from grid streamlining the entire process" *when it es to blockchains and energy usage nori medium***

*May 30th, 2020 - there are cheaper ways to store data on a blockchain energy is also consumed from storing data on the blockchain if someone wants to transact directly on a blockchain energy costs can rise*

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**quickly"how is bitcoin  
affecting the environment  
cbs news**

**May 29th, 2020 - bitcoin can  
t exist without puters which  
can t exist without a source  
of electricity and the  
number of puters and the  
energy needed to power  
them is rising" *blockchain a  
true disruptor for the  
energy industry***

*May 28th, 2020 - making  
blockchain a reality in e amp r  
this technology is a  
breakthrough trust  
mechanism that can remove  
the need for costly  
intermediaries and enable an  
unprecedented level of  
transparency coordination  
and information sharing  
across the energy industry  
while at the same time  
allowing panies to retain  
control over sensitive  
information that gives them a  
petitive advantage in  
the"blockchain in the  
energy transition hope or*

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**hype**

**May 27th, 2020 - blockchain is the energy sector's elusive next big thing experts say the technology more commonly associated with cryptocurrencies could hold the key to transforming a traditional energy system'**

**'blockchain for the environment 3 use cases the**

*May 27th, 2020 - blockchain can be used to log agreements progress of the participating countries as a way to offer broader monitoring and in doing so increase the participation of every member although in early stages the united nations and unicef are experimenting on blockchain funded projects to ramp up adherence by leveraging the potential of smart contracts'*

**'blockchain in the energy market iberdrola**

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**May 21st, 2020 - blockchain is here and is revolutionising the electricity market this technology is an efficient way of allocating generation assets to a specific point of consumption and can even be used to establish a hierarchy of priorities when it es to sources of origin this allows renewable energy certification processes to be sped up and automated as there is a greater degree of traceability'**

**'how blockchain is boosting renewable energy dataconomy**

**May 13th, 2020 - thanks to its decentralized nature as well as its transparency and disintermediating potential blockchain can provide the renewable energy sector with a valuable tool as more**

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**panies find creative uses for the technology the broader market will also see the value in removing the barriers that have made energy one of the most vital resources on earth expensive and restricted"blockchain the secret to a sustainable supply chain**

May 29th, 2020 - internet of things sensors on factories can measure everything from air pollution to water quality to bat industry s impact on the environment the data these sensors gather however is processed in datacentres requiring huge amounts of energy blockchain too has had its critics'

**'environmental implications of blockchain inside ecology**

**May 22nd, 2020 - blockchain has even been heralded as a means by which to protect the**

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**environment because  
blockchain is accessible by  
multiple users data held is  
transparent cannot be  
modified and once added  
cannot be removed it takes  
the validation of multiple  
puters before a new record  
can be added"**what is  
**blockchain is it the future  
of energy energy**

May 22nd, 2020 - inquiring  
energy experts asked if this  
same technology used to  
track the flow of  
cybercurrency could be used  
for energy transactions and  
as it turns out it might be able  
to thanks energy experts with  
blockchain an energy  
consumer would be able to  
securely sell any unused  
energy to a willing buyer such  
as a neighbor'

**'what can blockchain do for  
the environment energy  
xprt**

**May 13th, 2020 - article  
what can blockchain do for**

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the environment a lot of  
crypto currency  
proponents say that  
blockchains are going to  
save the planet well i just  
can't see it this is not the  
resounding endorsement  
you might expect from w'

'energy blockchain labs inc  
ibm

May 13th, 2020 - energy  
blockchain labs inc  
creating a more efficient  
green energy marketplace  
with ibm blockchain  
technology using ibm  
blockchain technology  
energy blockchain labs  
created an efficient  
transparent platform that  
allows high emission  
organizations to monitor their  
carbon footprints and meet  
quotas by buying carbon  
credits from low  
emitters"microgrids and  
the blockchain are  
powering our energy

May 30th, 2020 - microgrids

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**and the blockchain are powering our energy future the era of large scale power plants is slowly ing to an end in its place is a new network of super smart and super clean energy'**

**'blockchain and environmental sustainability energy leader**

**May 24th, 2020 - a blockchain based ecosystem can connect the data being recorded to a digital token and quantify the energy created in a digitally transmittable form this would involve connecting a blockchain to a windmill or solar farm and integrating the data flows collected into the distributed network"**

**7 ways blockchain can save the environment and stop**

**May 25th, 2020 - blockchain technology can help both individuals and panies to see the real impact of their actions and incentivize them to take the actions**

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that benefit the environment the blockchain can be used to transparently track a variety of data like the carbon footprint of each product the greenhouse gas or waste emissions of a factory or a company's overall history of compliance to

'blockchain energy inc energy related projects  
May 18th, 2020 - blockchain energy is a division of vortex green energy and has conceptualized utilizing the public ledger aspects of blockchain technology to document the environmental impact improvements from any past service installation by either implementing available third party solutions or by developing our own solution'  
'8 ways blockchain can be an environmental game changer

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**May 27th, 2020 - blockchain can underpin a transition to decentralized clean and more resource efficient energy and water systems at scale platforms could collate distributed data on these resources e g household level water and energy data collected with smart sensors'**

**'blockchain can speed up asia s clean energy transition**

May 31st, 2020 - by unlocking a trusted global market for environmental attributes the blockchain helps renewable energy generators secure the full economic value and social benefit of their attributes and provides corporates who wish to contribute in a meaningful way to the energy transition with the means to do so'

**'can blockchain pave the way towards environmental**  
**May 21st, 2020 - while**

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**many people applaud the technological development of blockchain and crypto a major element often overlooked is the intensive energy consumption required to maintain a blockchain network need for eco friendly solutions"***blockchain in the energy sector uses and applications*

*May 25th, 2020 - enterprise ethereum can process and validate data from many devices at the grid edge before securing the data onto the blockchain secondly energy providers can utilize blockchain to create a system for transactions of data which is critical to distribution'*

**'4 ways to counter blockchain s energy consumption pitfall**

**May 22nd, 2020 - blockchain technology shows promise for sectors ranging from banking to logistics in the world of**

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**sustainability it s being  
considered for applications  
from energy trading  
schemes to supply chain  
transparency to food safety  
however as people  
envision hope filled plans  
for how it could change the  
world they often overlook  
blockchain s non  
sustainable energy  
consumption'**

**'how blockchain will help  
save the environment world  
May 16th, 2020 - the paris  
climate agreement codified  
the pressure on countries  
to reduce their emissions  
and panies are increasingly  
under the same spotlight  
from investors  
shareholders employees  
and customers to reduce  
their carbon footprint  
demonstrating that their  
business models are  
aligned with delivering a  
stable climate consumers  
led by socially conscious  
millennials with increasing**

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buying'

**'bitcoin blockchain  
consumes a lot of energy  
engineers**

*May 22nd, 2020 - if  
blockchain technology is  
going to revolutionize how we  
transact with each other puter  
scientists need to solve one  
big problem it can consume  
way too much energy the  
original blockchain"***what are  
the environmental effects  
of blockchain**

**May 23rd, 2020 -  
blockchain s applications  
can still aid the  
environment not all  
blockchain applications  
suck up huge amounts of  
resources in fact the  
blockchain is already being  
used to benefit the  
environment in several  
different ways for example  
nori uses blockchain as a  
tool to power carbon  
removal suppliers and  
eliminate excess carbon  
from our"**blockchain

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## **technology in the energy sector a systematic**

May 31st, 2020 - energy blockchain lab a beijing based collaborative initiative on energy and environment blockchain applications and a member of china green finance mittee has partnered with ibm to create a carbon credit management platform that uses hyperledger fabric the platform aims to reduce the costs of china s national carbon market by 30" ***why the energy sector must embrace blockchain now***  
***ey***

*May 31st, 2020 - an energy blockchain can be a catalyst for business model and process change right across the enterprise it could be instrumental to manage the sector s growing plexity data security and ownership it is essential therefore that utility cios and business leaders understand the role that blockchain can play'*

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## **'about energy blockchain consortium**

May 14th, 2020 - energy blockchain is the use of blockchain technology in the energy industry and it can be implemented for many use cases the energy blockchain consortium is the first and only energy specific consortium that addresses energy problems and solutions based upon an open architecture approach'

## **'how blockchain is changing the energy industry**

May 29th, 2020 - a guide to help you understand what blockchain is and how it can be used by industries you've probably encountered a definition like this blockchain is a distributed decentralized public'

## **'revive aging power grids with blockchain a new model for**

**May 22nd, 2020 - as more and more intermittent**

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**energy sources stress a power grid that is not prepared for new energy patterns blockchain and other technologies can offer relief by applying intelligence transparency and automation to existing systems these new digital technologies can help to mitigate the massive capital investments that would be required to re architect the physical grid"energy and blockchain the most promising applications**

**May 28th, 2020 - blockchain applications are rapidly spreading across the energy sector writes david groarke managing director of indigo advisory group some of those applications may be disruptive for utilities europe is the most active region globally groarke discusses some of the key takeaways from a recent blockchain**

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**conference in vienna'**

**'blockchain an opportunity  
for energy producers and  
May 30th, 2020 - blockchain  
an opportunity for energy  
producers and consumers  
5 in many cases this  
uncertainty can be  
explained by an insufficient  
understanding of how  
blockchains work  
essentially a blockchain is  
a digital contract permitting  
an individual party to  
conduct and bill a  
transaction e g a sale of  
electricity directly peer to  
peer'**

***'can blockchain fix the  
environment smart cities  
world***

*May 25th, 2020 - produced in  
collaboration with pwc  
building block chain s for a  
better planet also details  
more than 65 ways  
blockchain can be applied to  
the world s most pressing*

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*environmental challenges  
and calls for new global  
platforms to incubate  
responsible blockchain  
ecosystems rather than just  
individual applications or  
panies"***how blockchain  
improves the energy  
management systems  
sector**

**May 3rd, 2018 - blockchain  
can be an important  
technology solution for the  
energy management sector  
by playing a role in  
providing real time access  
to energy savings  
transparent recording of  
energy transactions'**

**'what can blockchain do for  
the environment opinion  
May 25th, 2020 - with  
blockchain in the picture  
the effort of meeting  
demand and managing  
supply between consumers  
and a distributed array of  
micro energy producers  
can be left to puters the**

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**idea that you have all these connected devices able to talk to each other and optimise their consumption without going through any central hub means that you can now optimise pockets and smaller areas of grid and'**

**'blockchain and energy everything you need to know**

**March 23rd, 2020 - energy and our environment the global energy sector is responsible for two thirds of all the greenhouse the blockchain is used so energy consumers can buy and sell energy directly to the'**

**'7 ways blockchain can stop climate change amp save the environment**

**May 22nd, 2020 - the blockchain is the technology that underlies bitcoin and ethereum and there are many ways it can**

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**help protect the  
environment and stop  
climate change to learn  
more about the blockchain  
go to'**

**'energizing the future with  
blockchain how the  
environment**

**May 21st, 2020 - blockchain  
is unique in that it can  
dramatically reduce or  
eliminate the need for  
intermediaries and can be  
paired with smart or self  
executing contracts to  
reduce transaction costs  
and time however critics  
have pointed to the energy  
needed to mine  
cryptocurrencies like  
bitcoin and to the general  
hype around the  
technology that often  
obscures its potential  
value'**

***'a curious plan to save the  
environment with the wired  
May 31st, 2020 - the  
blockchain chapron argues***

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*can also enable financial incentives to help the environment with blockchain banking for example farmers in kenya could get quick corruption free insurance"*<sup>10</sup>

## **blockchain startups**

**transforming the environment**

**May 13th, 2020 - the mission of bitgive is to leverage the power of bitcoin and blockchain technology to improve public health and the environment worldwide the project was initiated by the bitgive foundation that is revolutionizing the way in which people donate to charity the foundation launched givetrack a multidimensional donation platform to help to transfer track and provide a permanent'**

**'when cryptocurrency goes green blockchain can save the**

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May 28th, 2020 - so what can we do if our current and projected energy demand is not sustainable for the environment enter blockchain ironically another budding technology that uses a lot of electricity'

**'can blockchain impact the environment smu blockchain club**

*May 16th, 2020 - blockchain can also potentially streamline processes related to peer to peer p2p energy grids which is the concept where any individual home or organisational body could produce its own energy including renewable energies like solar energy and sell any surplus to others who need it'*

**'blockchain may be fueling the green energy revolution**

*May 26th, 2020 - technology plays an important role in the welfare of humans as well as the earth nowadays people live longer than before*

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*because of the introduction of  
new and advanced medical  
procedures apart from this  
technology can also save the  
environment with  
cryptocurrency going green  
blockchain has the potential  
to fuel the green energy  
revolution and'*

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