NET IMPACT

CHANGE STARTS HERE

UCONN NET IMPACT GRADUATE CHAPTER

FEBRUARY 04, 2019

MESSAGE FROM THE PRESIDENT

Upholding the vision defined by our former leaders, UConn's Net Impact Graduate Chapter continues to keep the community abreast of the several issues we face on the sustainability front. To spread our message to a wide audience we have been organizing speaker events, social awareness campaigns and annual case competitions. To take this a step forward, we have now also started pro-bono consulting projects with several NGOs and a monthly newsletter to sensitize the readers to the bigger cause.

With the new Net Impact leadership working towards our goal of encouraging environmental sustainability, we aim to instill a greater sense of Corporate Social Responsibility (CSR) in the leaders of tomorrow. We thank you all for your participation in our ventures so far and we seek your support in further spreading our message. As we continue to grow as a community, we welcome you all to be a part of the drive. We hope to see you all at our upcoming events.

We would also like to thank all our leaders for helping us bring about a positive change. Hope you enjoy the newsletter!
-Chandni Narang

NET IMPACT UCONN SCHOOL OF BUSINESS

CONTACT US:

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Leadership Team: https://gradnetimpact.business.uconn.edu/leadership-team-2019/

Electric vehicles make up nearly half the market in Norway

CHALLENGES:

Drivers sometimes struggle to find an available charging point in central Oslo. That's because the number of charging points per vehicle has dropped from one charger per four cars, to one charger per 10 cars.

To reach its goal of zero emission vehicles by 2025, the Institute of Transport Economics says that electric cars must replace all vehicles in multi-vehicle households. Currently, multi-vehicle households have only one.

As the number of vehicles increases, drivers may face longer stops and charging queues on long distance routes.

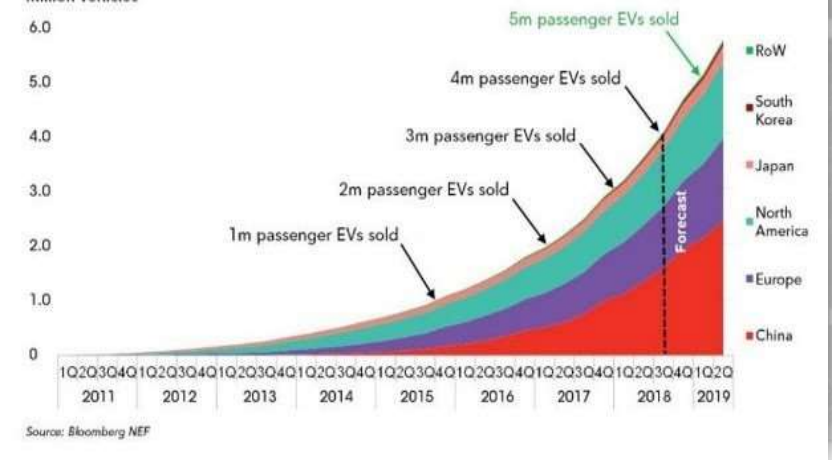
EV charging could create local constraints and stability problems on power networks and reduce the environmental benefits of electrification

Electric vehicles make up only a small percentage of the global fleet of cars, but perhaps not for much longer. In some countries sales of EVs are soaring and overtaking sales of traditional cars. It's no longer hard to imagine that the next generation will view the internal combustion engine in much the same way as we view the horse and cart - a relic of times past.

The Nordic countries are racing ahead when it comes to electric transformation. For instance, of all the cars sold in Norway this year, almost half were electric. Read Further: Link

GLOBAL TRENDS:

Figure 3: Cumulative global passenger EV sales, current and forecast



Tokyo plans to install solar roads ahead of the 2020 Olympics

Solar panels will be installed underneath the surface of some roads in Tokyo, according to the Independent. The metropolitan government announced their plans for "solar roads" as part of a campaign to make Tokyo an eco-friendlier city. The change is in part motivated by the fact that the city will imminently be hosting both the 2020 Olympics and Paralympics.

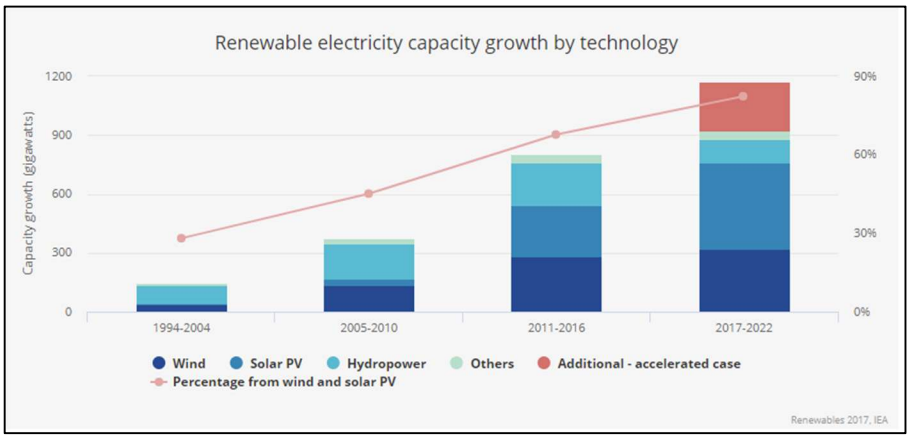
But it's just one step in Tokyo's plan.

They're also considering introducing power-generating floors, which are made with special ceramics that respond to pressure, turning footsteps into voltage. The company who developed it, Soundpower Corp, claims an average walker can generate a current of about 2 milliwatts of electricity. One step can light up 300 to 400 LEDs. One day the whole world might run our kinetic motion. That's good motivation to get your steps in. **Read Further:** Link

SOME FACTS:

- (The solar road system) can generate 16,145 kilowatt-hours of electricity annually, covering about 9 per cent of the entire electricity the store consumes.
- The road is made of solar panels that are installed in the ground, then covered in a special resin that makes them durable under the weight of traffic.

Solar power capacity is growing across the world



This is the world's first fully solar-powered airport

More than 1,000 flights depart out of Cochin International Airport each week. The travel hub is the seventh busiest airport in India, handling more than 10 million passengers every year. Located in the southwestern coastal state of Kerala, it hosts 27 airlines and some three dozen shops and restaurants — and the whole thing runs on solar energy.

Cochin International became the world's first solar-powered airport in 2015, when it transformed a patch of land previously reserved for cargo handling into a 12-megawatt solar plant. ***Read Further:*** Link

NEXT STEPS:

Now, Cochin International Airport is helping other travel centers do the same. Forbes India reports that it's signed an agreement to lend technical assistance to three airports in Ghana which are planning to build solar plants of their own. Engineers from Liberia have also sought their expertise, while multiple airports in India are following Cochin International's lead.

As the UN notes, India is an ideal spot for a solar boom, since the country enjoys about 300 sunny days a year.