



SB Bridge. Building bridges for green technology



Clean Transportation International E-Camp

Where: online [via Zoom platform]

When: 19th - 21st April, 2021

Time: From 2 to 5 pm by CET

*Countries/participants: Lithuania, Denmark,
Germany, Sweden, Poland*

Useful and interesting links to videos on Green
Growth and Clean Transportation topics

Links, related to Green Growth and Sustainability topics:

1. This decade calls for Earthshots to repair our planet [Prince William](#)



"We start this new decade knowing that it is the most consequential period in history", says Prince William, The Duke of Cambridge. Inspired by President John F. Kennedy's "Moonshot", he calls on us all to rise to our greatest challenge ever: the "Earthshot". A set of ambitious objectives for the planet, the Earthshot goals seek to protect and restore nature, clean the air, revive oceans, build a waste-free world

and fix the climate - all in the next decade. To do it, we'll need people in all corners of the globe working together with urgency, creativity and the belief that it is possible to repair the Earth.

2. 7 principles for building better cities [Peter Calthorne](#)



More than half of the world's population already lives in cities, and another 2.5 billion people are projected to move to urban areas by 2050. *The way we build new cities will be at the heart of so much that matters, from climate change to economic vitality to our very well-being and sense of connectedness.* Peter Calthorne is already at work planning the cities of the future and advocating for community design that's focused on

human interaction. He shares seven universal principles for solving sprawl and building smarter, more sustainable cities.

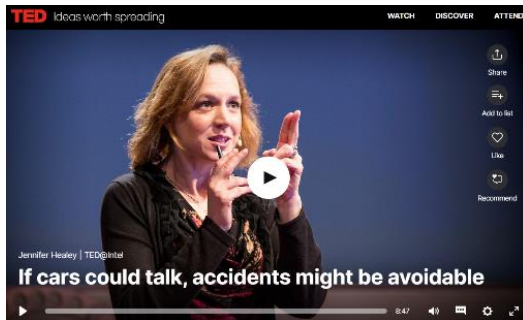
3. What happens if you cut down all of a city's trees? [Stefan Al](#) *(Directed by Mette Ilene Holmriis, Narrated by Addison Anderson, Music by Bamm Wolfgang)*



By 2050, it's estimated that over 65% of the world will be living in cities. *We may think of nature as being unconnected to our urban spaces, but trees have always been an essential part of successful cities. Humanity has been uncovering these arboreal benefits since the creation of our first cities thousands of years ago. So what makes trees so important to a city's survival?* Stefan Al explains.

4. If cars could talk, accidents might be avoidable

[Jennifer Healey](#)



When we drive, we get into a glass bubble, lock the doors and press the accelerator, relying on our eyes to guide us - even though we can only see the few cars ahead of and behind us. But what if cars could share data with each other about their position and velocity, and use predictive models to calculate the safest routes for everyone on the road? Jennifer Healey imagines a world without car accidents.

5. How do self-driving cars “see”?

[Sajan Saini](#)

Directed by Artrake Studio,

Narrated by Addison Anderson



It's late, pitch dark and a self-driving car winds down a narrow country road. Suddenly, three hazards appear at the same time. With no human at the wheel, the car uses smart eyes, sensors that'll resolve these details all in a split-second. How is this possible? Sajan Saini explains how LIDAR and integrated photonics technology make self-driving cars a reality.

6. What is the best fuel for your car?

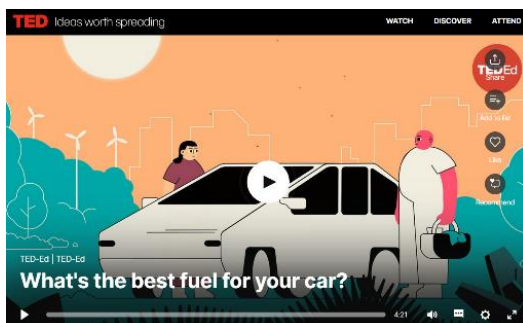
[TedEd](#)

Written by Elizabeth Cox and George Zaidan,

Directed by Lisa LaBracio,

Narrated by Jack Cutmore-Scott,

Music by André Aires



Historically, most cars have run on gasoline, but that doesn't have to be the case in the future: other liquid fuels and electricity can also power cars. So what are the differences between these options? And which one's best? Dig into which fuel - gasoline, electric, biofuels, or electrofuels - is both affordable for consumers and sustainable for the planet.

7. SpaceX's plan to fly you across the globe within 30 minutes

[Gwynne Shotwell](#)



travel for earthlings.

What's up at SpaceX? Engineer Gwynne Shotwell was employee number seven at Elon Musk's pioneering aerospace company and is now its president. In conversation with TED curator Chris Anderson, she discusses SpaceX's race to put people into orbit and the organization's next big project, the BFR. *The new giant rocket is designed to take humanity to Mars - but it has another potential use: space*

8. A plane you can drive

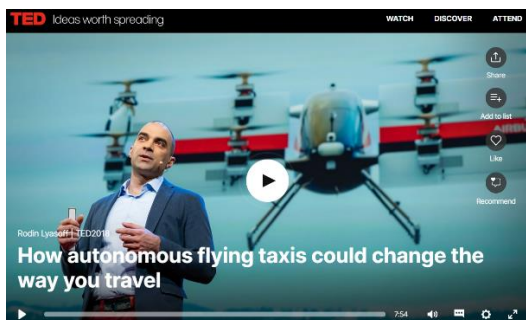
[Anna Mracek Dietrich](#)



A flying car – it's an iconic image of the future. But after 100 years of flight and automotive engineering, no one has really cracked the problem. Pilot Anna Mracek Dietrich and her team flipped the question, asking: *Why not build a plane that you can drive?*

9. How autonomous flying taxis could change the way you travel

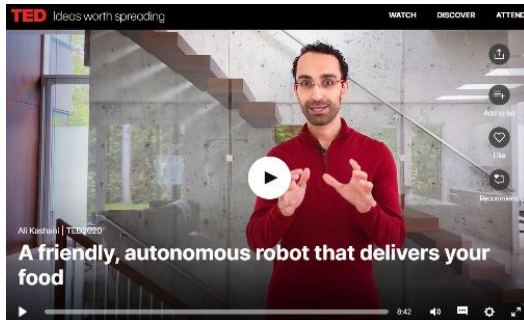
[Rodin Lyasoff](#)



"Flight is about to get a lot more personal", says aviation entrepreneur Rodin Lyasoff. In this visionary talk, he imagines a new golden age of air travel in which small, autonomous air taxis allow us to bypass traffic jams and fundamentally transform how we get around our cities and towns. *"In the past century, flight connected our planet"*, Lyasoff says. *"In the next, it will reconnect our local communities."*

10. A friendly, autonomous robot that delivers your food

[Ali Kashani](#)



Meet the friendly robot that could deliver your next burrito. Ali Kashani introduces us to Postmates' autonomous delivery robot and explains how it could help reduce carbon emissions and free up valuable real estate in cities everywhere. Learn more about how it was specially designed to navigate complex social interactions on busy sidewalks to bring you your food (and more) with joy.

11. A radical plan to end plastic waste

[Andrew Forrest](#)



"Plastic is an incredible substance for the economy - and the worst substance possible for the environment", says entrepreneur Andrew Forrest. In a conversation meant to spark debate, Forrest and head of TED Chris Anderson discuss an ambitious plan to get the world's biggest companies to fund an environmental revolution - and transition industry towards getting all of its plastic from recycled

materials, not from fossil fuels.

12. The surprising solution to ocean plastic

[David Katz](#)



Can we solve the problem of ocean plastic pollution and end extreme poverty at the same time? That's the ambitious goal of The Plastic Bank: a worldwide chain of stores where everything from school tuition to cooking fuel and more is available for purchase in exchange for plastic garbage - which is then sorted, shredded and sold to brands who reuse "social plastic" in their products. Join David Katz to learn

more about this step towards closing the loop in the circular economy. *"Preventing ocean plastic could be humanity's richest opportunity",* Katz says.

13. 3 creative ways to fix fashion's waste problem

[Amit Kalra](#)



What happens to the clothes we don't buy? You might think that last season's coats, trousers and turtlenecks end up being put to use, but most of it (nearly 13 million tons each year in the United States alone) ends up in landfills. *Fashion has a waste problem, and Amit Kalra wants to fix it.* He shares some creative ways the industry can evolve to be more conscientious about the environment - and gain a

competitive advantage at the same time.

14. The material that could change the world... for the third time

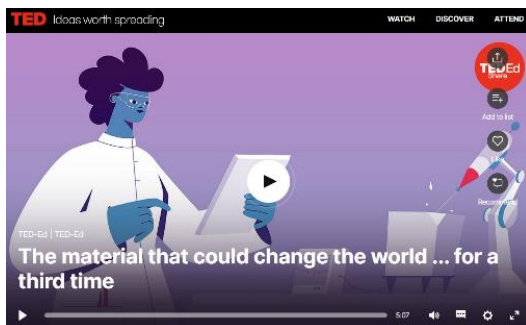
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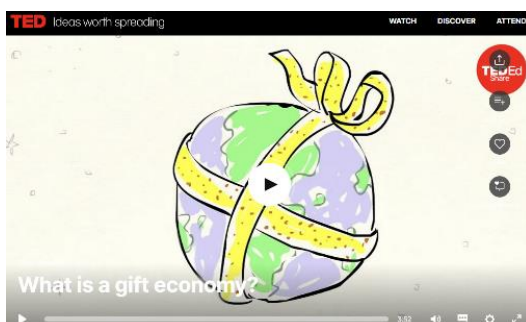
Today roads, sidewalks, bridges and skyscrapers are made of a material called concrete. There's three tons of it for every person on earth. It's also played a surprisingly large role in rising global temperatures over the last century. So, what exactly makes concrete problematic, and what can we do to fix it? *Explore how scientists are working to create a cleaner, more sustainable concrete.*

15. What is a gift economy?

[Alex Gendler](#)

Directed by Avi Ofer,

Narrated by Pen-Pen Chen



What if, this holiday season, instead of saying "thank you" to your aunt for her gift of a knitted sweater, the polite response expected from you was to show up at her house in a week with a better gift? Or to vote for her in the town election? Or let her adopt your firstborn child? Alex Gendler explains how all of these things might not sound so strange if you were involved in a gift economy.

1. Monica Araya. How cities are detoxing transportation (2020).

https://www.ted.com/talks/monica_araya_how_cities_are_detoxing_transportation.

A world tour of urban areas that are working to fully electrify their transportation systems over the next decade, shifting to emission-free motorcycles, cars, buses, ferries and beyond. See what a future without the internal combustion engine could look like -- and what it will take to get there.

2. Elizabeth Cox, George Zaidan. What's the best fuel for your car? (2021).

https://www.ted.com/talks/ted_ed_what_s_the_best_fuel_for_your_car. Historically, most cars have run on gasoline, but that doesn't have to be the case in the future: other liquid fuels and electricity can also power cars. So what are the differences between these options? And which one's best? Dig into which fuel—gasoline, electric, biofuels, or electrofuels—is both affordable for consumers and sustainable for the planet.

3. Elizabeth Cox, George Zaidan. The material that could change the world...for a third time. (2021).

https://www.ted.com/talks/ted_ed_the_material_that_could_change_the_world_for_a_third_time.

Today roads, sidewalks, bridges and skyscrapers are made of a material called concrete. There's three tons of it for every person on earth. It's also played a surprisingly large role in rising global temperatures over the last century. So, what exactly makes concrete problematic, and what can we do to fix it? Explore how scientists are working to create a cleaner, more sustainable concrete.

4. Haaziq Kazi. A13-year-old's plan for removing plastic from ocean (2018).

https://www.ted.com/talks/haaziq_kazi_a_13_year_old_s_plan_for_removing_plastic_from_the_oceans.

Haaziq Kazi was 11-years-old when he first prototyped ERVIS (an intelligent ship) , his invention to clean plastic from the surface of the ocean. In this talk, he shares how ERVIS has progressed in the years since and the lessons he learned about tenacity and adaptability along the way.

5. Monica Araya. (2016). A small country with big ideas to get rid of fossil fuels (2016).

https://www.ted.com/talks/monica_araya_a_small_country_with_big_ideas_to_get_rid_of_fossil_fuels. How do we build a society without fossil fuels? An example of positive action on environmental protection and renewables in developing country.

6. Travis Kalanick. Uber's plan to get more people into fewer cars (2016).

https://www.ted.com/talks/travis_kalanick_uber_s_plan_to_get_more_people_into_fewer_cars.

Uber didn't start out with grand ambitions to cut congestion and pollution. But as the company took off, co-founder Travis Kalanick wondered if there was a way to get people using Uber along the same routes to share rides, reducing costs and carbon footprint along the way. The result: uberPOOL, the company's carpooling service, which in its first eight months took 7.9 million miles off the roads and 1,400 metric tons of carbon dioxide out of the air in Los Angeles. Now, Kalanick says carpooling could work for commuters in the suburbs, too.

7. Bertrand Piccard. This plane? This plane is powered by the sun (2014).

<https://ideas.ted.com/this-plane-this-plane-is-powered-by-the-sun/>.

Bertrand plans to fly around the world in a plane that doesn't use any fuel. Huh? Yep. This machine is equipped with 17,000 solar panels. He explains the logistics and mechanics -- and shares some hopes and fears for the upcoming voyage.

8. Sanjay Dastoor. A skateboard, with a boost (2013).

https://www.ted.com/talks/sanjay_dastoor_a_skateboard_with_a_boost.

Imagine an electric vehicle that can get you to work -- or anywhere in a six-mile radius -- quickly, without traffic frustrations or gasoline. Now imagine you can pick it up and carry it with you. Yes, this souped-up skateboard could change the face of morning commutes.

9. Enrique Penalosa. Why buses represent democracy in action (2013).

https://www.ted.com/talks/enrique_penalosa_why_buses_represent_democracy_in_action.

An advanced city is not one where even the poor use cars, but rather one where even the rich use public transport," argues Enrique Peñalosa. In this spirited talk, the mayor of Bogotá

shares some of the tactics he used to change the transportation dynamic in the Colombian capital... and suggests ways to think about building smart cities of the future.

10. Cris Gerdes. The future race car – 150 mph and no driver (2012).

https://www.ted.com/talks/chris_gerdes_the_future_race_car_150mph_and_no_driver#t-21201.

Autonomous cars are coming -- and they're going to drive better than you. Chris Gerdes reveals how he and his team are developing robotic race cars that can drive at 150 mph while avoiding every possible accident. And yet, in studying the brainwaves of professional racing drivers, Gerdes says he has gained a new appreciation for the instincts of professional drivers.

11. Bill Ford. A future beyond traffic gridlock (2011).

https://www.ted.com/talks/bill_ford_a_future_beyond_traffic_gridlock.

Vision for the future of mobility includes "smart roads," even smarter public transport and going green like never before.

12. Robin Chase. The idea behind Zipcar (2007).

https://www.ted.com/talks/robin_chase_the_idea_behind_zipcar_and_what_comes_next.

Robin Chase founded Zipcar, the world's biggest car-sharing business. That was one of her smaller ideas. Here she travels much farther, contemplating road-pricing schemes that will shake up our driving habits and a mesh network vast as the Interstate.

Thank you for participation! Hope to see you in next international green camp and international Green Technolympics!

Organizers – SB BRIDGE project team
2021.04.21



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