# THE UNITED NATIONS, 20 MINUTE NEIGHBOURHOODS AND SMART CITIES

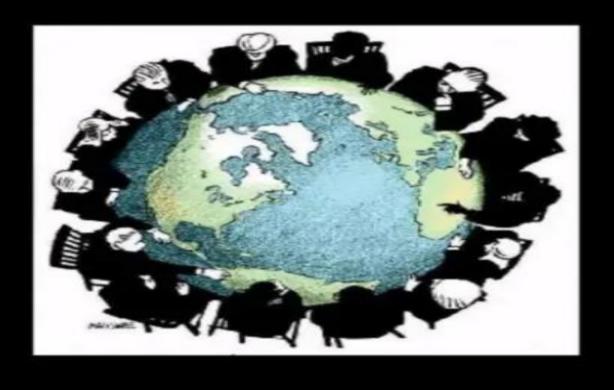
# Coming to a town near you

Presented by Belinda Bernardini for the My Place Community

**BRINGING UNITY BACK INTO COMMUNITY** 

# 





WHAT WE'RE TOLD IT IS

WHAT IT REALLY IS



# United Nations

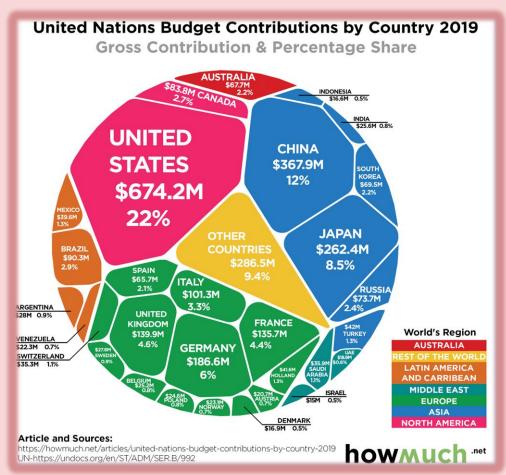
# THE UNITED NATIONS

The United Nations was founded in 1945 with Australia being a

founding member

 Australia is around the 13<sup>th</sup> largest contributor to the UN budget (\$61M in 2023)

- The annual revenue of the UN is over \$60 billion per annum
- Since its inception, the UN has spent over half a trillion dollars. Most of which pays for administration.
- The current UN expenditure is 40 times higher than it was in the 1950's



# THE UNITED NATIONS PURPOSE

#### The Purposes of the United Nations are:

- To maintain international peace and security, and to that end: to take effective collective measures for the prevention and removal of threats to the peace, and for the suppression of acts of aggression or other breaches of the peace, and to bring about by peaceful means, and in conformity with the principles of justice and international law, adjustment or settlement of international disputes or situations which might lead to a breach of the peace;
- 2. To develop friendly relations among nations based on respect for the principle of equal rights and self-determination of peoples, and to take other appropriate measures to strengthen universal peace;
- 3. To achieve international co-operation in solving international problems of an economic, social, cultural, or humanitarian character, and in promoting and encouraging respect for human rights and for fundamental freedoms for all without distinction as to race, sex, language, or religion; and
- 4. To be a centre for harmonizing the actions of nations in the attainment of these common ends.



# SUSTAINABLE DEVELOPMENT

# What Is Sustainable Development?

Sustainable development is broadly defined as: 'development which meets the needs of the present without compromising the ability of future generations to meet their own needs'.

# UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

- The sustainable development summit was held in 2015 and was a landmark year for multilateralism and international policy shaping, with adoption of several major agreements including the Paris Agreement on Climate Change.
- In 2015, the United Nations launched its sustainable development agenda which included Sustainable Development Goals ("Goals").
- The Goals were promoted as "a universal call to action to end poverty, protect the planet and improve the lives and prospects of everyone, everywhere."

# PARIS AGREEMENT

# The Paris Agreement

Climate change is a global emergency that goes beyond national borders. It is an issue that requires international cooperation and coordinated solutions at all levels.

To tackle climate change and its negative impacts, world leaders at the <u>UN Climate Change Conference</u> (COP21) in Paris reached a breakthrough on 12 December 2015: the historic Paris Agreement.

The Agreement sets long-term goals to guide all nations:

- substantially reduce global greenhouse gas emissions to limit the global temperature increase in this
  century to 2 degrees Celsius while pursuing efforts to limit the increase even further to 1.5 degrees;
- review countries' commitments every five years;
- provide financing to developing countries to mitigate climate change, strengthen resilience and enhance abilities to adapt to climate impacts.

The Agreement is a legally binding international treaty. It entered into force on 4 November 2016. Today, 194 Parties (193 States plus the European Union) have joined the Paris Agreement.

The Agreement includes commitments from all countries to reduce their emissions and work together to adapt to the impacts of climate change, and calls on countries to strengthen their commitments over time. The Agreement provides a pathway for developed nations to assist developing nations in their climate mitigation and adaptation efforts while creating a framework for the transparent monitoring and reporting of countries' climate goals.

## NATIONALLY DETERMINED CONTRIBUTION

#### First, what's an NDC?

Simply put, an NDC, or Nationally Determined Contribution, is a climate action plan to cut emissions and adapt to climate impacts. Each Party to the Paris Agreement is required to establish an NDC and update it every five years.

NDCs are where countries set targets for mitigating the greenhouse gas emissions that cause climate change and for adapting to climate impacts. The plans define how to reach the targets, and elaborate systems to monitor and verify progress so it stays on track. Since climate finance is key to implementing the plans, NDCs ideally also detail a financing strategy. Check some country examples.

The Paris agreement asks countries to update their NDCs every five years. But given the large gap between the emissions cuts required to limit global warming to 1.5°C and the emissions reductions currently planned, the <u>Glasgow Climate Pact</u> in November 2021 called on all countries to revisit and strengthen the targets in their NDCs in 2022. <u>Each new round of updates is expected to ratchet up ambition through steeper emissions cuts and more expansive adaptation measures.</u> Building on each other over time, the NDCs are essential to ensuring a livable future for everyone on the planet.

For developing countries, moving forward depends on developed countries realizing their commitment to provide \$100 billion in climate finance to developing countries. Dedicating half of this amount to adaptation would help close significant financing shortfalls for vital measures to protect lives and livelihoods.

#### **How do NDCs work?**

Climate change, unlike many other issues, requires a wholesale transformation of our economies and societies. No corner will go untouched – energy, industry, agriculture, transport, institutions, individuals and more will need to make changes to reduce emissions and adapt to climate consequences that are already happening.

# C40 CITIES

# A GLOBAL NETWORK OF MAYORS TAKING URGENT CLIMATE ACTION



#### **About C40**

C40 is a network of mayors of nearly 100 world-leading cities collaborating to deliver the urgent action needed right now to confront the climate crisis. Together, we can create a future where everyone, everywhere can thrive.



#### WHO WE ARE

WHAT WE DO

**Raising Climate Ambition** 

Scaling Up Climate Action

**Building a Movement** 

Influencing the Global Agenda

About C40 Leadership

Funders & Partners

Our Team

### Some Funders of C40







## Melbourne, Australia

Lord Mayor Sally Capp

**Member Since** 2005

Mayors need more powers from central governments to tackle climate crisis

# YARRA RANGES COUNCIL

#### QUESTION TO COUNCIL 28/2/2023

What is your question to Council? (maximum 500 characters)	III N In light of these concerns can colincil please confirm if the
Supporting	

#### RESPONSE FROM COUNCIL

#### **Questions to Council: Urban Design Frameworks**

I refer to your Question to Council regarding **Urban Design Frameworks**.

Your question was put to Council's Meeting on 28 February 2023 and the following response was provided by Damian Closs, Acting Director Planning & Sustainable Futures.

Yes. The 17 SDGs were only published in 2015 by the United Nations but reflect the culmination of several decades of Planning research into creating cities that support thriving communities and protect our natural assets, hence it is likely there would be similarities. The two Urban Design Frameworks currently out for public consultation have been developed using best practice Planning industry standards and Planning Practice Notes published by the Department of Transport and Planning (DTP), but have not directly drawn on or referenced the United Nations Sustainable Development Goals.

# Statement regarding misinformation on social media

Published on 31 January 2023

Yarra Ranges Council is encouraging community members to be wary of incorrect information circulating in their communities when thinking about town planning.

Yarra Ranges Mayor, Jim Child, said that incorrect information had been circulating in the Dandenongs and surrounds, around the concept of a 20 minute neighbourhood.

"The concept behind 20 minute neighbourhoods is simple – communities are designed to make sure everything you need day-to-day is close to home and a walkable distance away," he said.

"The intent is for people to be able to move about easily and freely without being burdened by excessive travel or costly transport options. It improves movement and access, rather than preventing it.

# SUSTAINABLE DEVELOPMENT GOALS (SDG'S)

UNITED NATIONS

#### PLANNING VIC

# SUSTAINABLE GALS 3 GOOD HEALTH AND WELL-BEING 5 GENDER EQUALITY 4 QUALITY EDUCATION













6 CLEAN WATER AND SANITATION









































8 DECENT WORK AND ECONOMIC GROWTH

AFFORDABLE AND CLEAN ENERGY

https://www.planning.vic.gov.au/policy-and-strategy/planning-formelbourne/plan-melbourne/20-minute-neighbourhood/all-about-20-minuteneighbourhoods

# DEPARTMENT OF ENVIRONMENT, LAND WATER AND PLANNING (DELWP)

As the State's lead agency promoting and delivering sustainable development in Victoria, we are uniquely positioned to provide leadership across Victoria and contribute to global sustainability.

Our support for the Sustainable Development Goals (SDG) is demonstrated in individual policies or programs (for example, Plan Melbourne or Biodiversity 2037). Achieving the goals will require everyone to play their part.

The SDG framework is credible, transparent and connects us to the international sustainability agenda. It allows us to see how our work contributes to Victoria's sustainability and provides guidance on where we should be focusing our future efforts to contribute to sustainable development.



**Sustainable Development Goals:** DELWP's Outcomes and current priorities align to the SDG Framework as shown in the table below.



# CLIMATE CHANGE ACT 2017 (VIC)

The Climate Change Act 2017 provides Victoria with the legislative foundation to manage climate change risks, maximise the opportunities that arise from decisive action, and drive our transition to a climate-resilient community and economy with net-zero emissions by 2050.

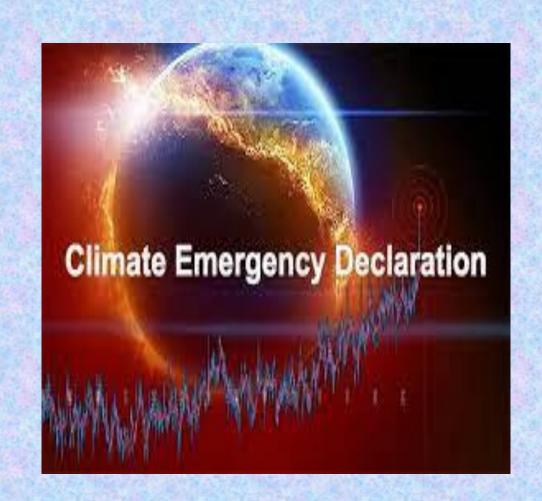
This Act has an explicit target; they've put into law what the emissions objective is. In this case they say they want to achieve net zero by the middle of the century—so that becomes a statutory obligation.

Section 12 of the Act requires the Minister to "obtain advice from one or more persons who are appropriately qualified, in the Minister's opinion, to act as an independent expert". The Interim Targets Independent Expert Panel (the Panel) has been established for this purpose. The Panel will consist of a Chair and two members

Section 12 of the Act requires the Panel to consider the existing national and global action on climate change, including any undertakings relating to the reduction of greenhouse gas emissions that Australia signed under international climate change agreements.

## CLIMATE EMERGENGY DECLARED

- 2016 Darebin City Council was the first council in the WORLD to declare a climate emergency
- As at February 2023, 35 of 79 Local Government jurisdictions in Victoria have declared a climate emergency.
- 10 September 2019 Yarra Ranges Council declares a climate emergency



## GRATTAN INSTITUTE

#### PRACTICAL GUIDE TO REDUCE TRANSPORT EMISSIONS

Grattan Institute produces high-quality public policy recommendations for Australia's future. Since we were established in 2008, our independent research has helped shape the Australian policy conversation, from childcare to the COVID-19 response.

#### Recommendations

- Ensure emissions from light vehicles are systematically reduced, and that Australians have the widest choice of low-emissions and zero-emissions vehicles
  - Set a mandatory fleet emissions standard, applied to the sale of all new light vehicles, tightening to zero emissions by 2035 to set an end date for sales of new petrol and diesel light vehicles.
- Scrap inefficient taxes and regulations that slow Australians' take-up of zero-emissions vehicles
  - Scrap import duties and stamp duty on zero-emissions vehicles, and waive luxury car tax on such vehicles for the rest of the decade.
  - Increase the truck width limit in Australia from 2.5m to 2.6m to ensure any zero-emissions heavy vehicles made for the EU or US can be used in Australia without expensive modifications.
- 3. Ensure buildings and the electricity grid are electric vehicle-ready
  - Update the National Construction Code to require that all new buildings with off-street parking include electrical cabling to allow for an appropriate number of future vehicle chargers.
  - Require all leased dwellings with off-street parking to have an electrical outlet near each car space by 2030.
  - Plan now to ensure convenient, local vehicle charging is available by 2030 for all residents of homes without off-street parking.
  - Plan the electricity tariff reforms necessary for smart management of vehicle charging in future.

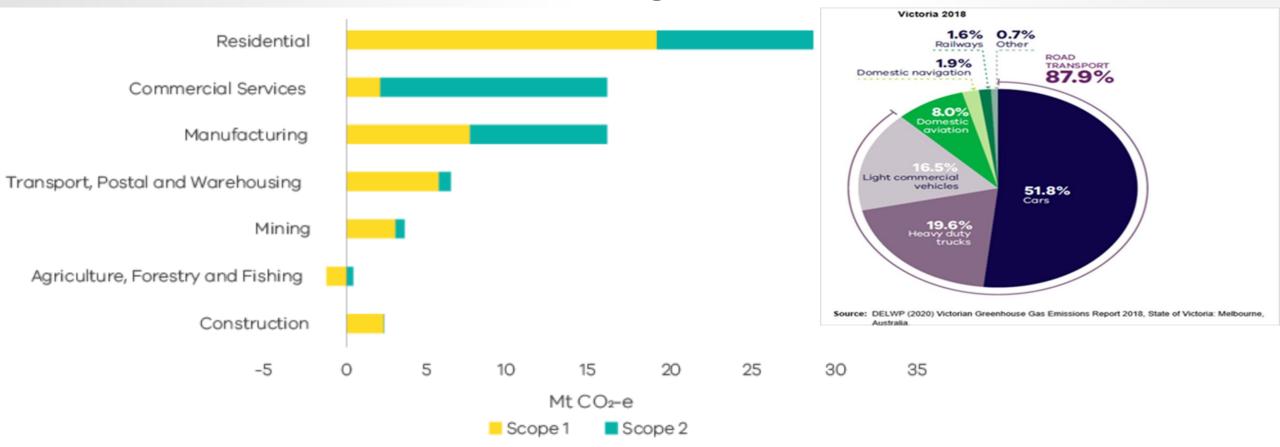
The Federal Government should impose a cap, or ceiling, on the emissions allowed from new cars sold in Australia each year, and to ratchet the ceiling down to zero by 2035.

This would help Australia hit a national target of net zero by 2050 and save drivers money – because zero-emissions electric cars are much cheaper to run than high-emitting petrol and diesel cars.

But cheaper driving could mean more driving, so state and local governments should act to discourage driving and make public transport and cycling safer and more attractive.

Grattan Institute 2021

# VICTORIAN GREENHOUSE GAS EMISSIONS REPORT



Scope 1 (in yellow) refers to emissions created by household or business activity. You produce scope 1 emissions when you drive your car, use a gas heater, throw out food (which then decomposes) or use a (refrigerant gas) leaky fridge or air conditioner.

Scope 2 (in teal) emissions are from electricity generated by power stations to meet the demands of households and businesses.

# **IPSOS**

#### Who is conducting the survey?

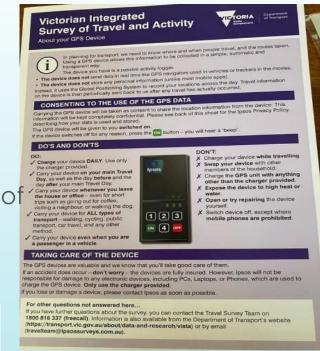
The survey is being conducted by the Travel Survey Team from Ipsos Social Research Institute on behalf of the Department of Transport and Planning.

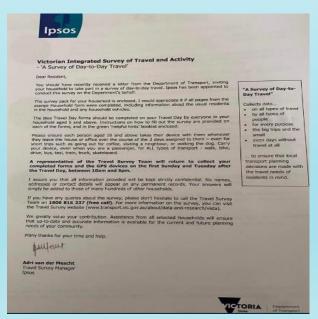
#### **IPSOS AND THE UNITED NATIONS**

Ipsos understands the context but also the challenges to responding to the Sustainability imperative. As a member ourselves of the UN Global Compact, we also engage in reporting in our practices and are focused on how we can work toward the targets established around the United Nations Sustainable Development Goals.

#### **UN GLOBAL COMPACT MISSION**

At the UN Global Compact, we aim to mobilize a global movement of sustainable companies and stakeholders to create the world we want. That's our vision.







# OXFORDSHIRE 15 MINUTE CITY



# OXFORD FACT CHECKERS

CLAIM: The county of Oxfordshire, England, which includes the city of Oxford, is imposing a "climate lockdown" that will confine residents to their neighborhoods.

AP'S ASSESSMENT: False. Oxfordshire has approved a plan to put "traffic filters" on some main roads, restricting drivers' access during daytime hours and freeing up space for buses, cyclists and pedestrians. But car owners can apply for daylong permits to bypass the new rules, and many other vehicles are exempt. All parts of the county will remain accessible by car, officials said.

But Oxfordshire's "traffic filters" will not block access to any part of the city of Oxford or the rest of the county, let alone lock people in their neighborhoods, the county government told The Associated Press.

The "traffic filters" are license plate recognition cameras, not physical barriers. From 7 a.m. to 7 p.m., drivers in private cars will be automatically fined if they cross through the filters without a permit. Motorists who live in Oxford will be able to apply for 100 daylong permits to drive through the filters per year.

## CLEAN AIR ZONE



#### More than 30,000 motorists a month refusing to pay Clean Air Zone fines

Birmingham City Council also writing off 2,500 CAZ fines a month

More than 30,000 drivers a month are refusing to pay fines for misusing Birmingham's controversial <u>Clean Air Zone</u> straight away. Of drivers issued fines during November, a huge 63% had not paid up by the start of January.

The city council has been overwhelmed by the number of motorists failing to comply with CAZ rules since its launch in 2021. More than 50,000 drivers are still being penalised every month and collecting all the cash owed has proved impossible.



# MELBOURNE CONGESTION TAX



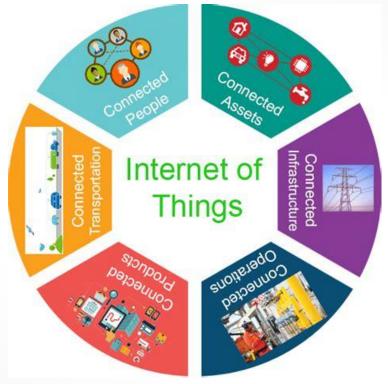
## **SMART CITY**





# SURVEILLANCE MONITORING ANALYSING REPORTING TECHNOLOGY





## WHAT ARE SMART CITIES?

Smart cities are a means of implementing the sustainability development agenda and they depend on smart infrastructure. Core characteristic is that they are connection through wireless tech and the web and that they generate data.

# SURVEILLANCE MONITORING ANALYSING REPORTING TECHNOLOGY

#### **Smart infrastructure**

8. Smart infrastructure provides the foundation for all of the key themes related to a smart city, including smart people, smart mobility, smart economy, smart living, smart governance and smart environment. The core characteristic that underlies most of these components is that they are connected and that they generate data, which may be used intelligently to ensure the optimal use of resources and improve performance. This section introduces some key components of smart city infrastructure and concludes by highlighting the need for an integrated approach in dealing with such infrastructure.

#### Smart mobility

10. Smart mobility is best described as approaches that reduce congestion and foster faster, greener and cheaper transportation options. Most smart mobility systems use data collected from a variety of sources about mobility patterns in order to help optimize traffic conditions in a holistic manner. Smart mobility systems include mass transit systems as well as individual mobility systems that feature bicycle sharing, ride sharing (or carpooling), vehicle sharing and, more recently, on-demand transportation. <sup>12</sup> For example,

# DEFINITION: SUSTAINABLE SMART CITY







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Regional Action Plan 2030

The San Marino Declaration

Areas of Work

#### **Sustainable Smart Cities**

#### Definition of smart sustainable cities

UNECE and ITU developed jointly a defiiniton of smart sustainable cities, through a multistakeholder approach which involved over 300 international experts.

A smart sustainable city is an innovative city that uses ICTs and other means to improve quality of life, efficiency of urban operation and services, and competitiveness, while ensuring that it meets the needs of present and future generations with respect to economic, social, environmental as well as cultural aspects.

ICT – Information and Communication Technology
UNECE – United Nations Economic Commission for Europe

# THINGS YOU WILL SEE IN A SMART CITY





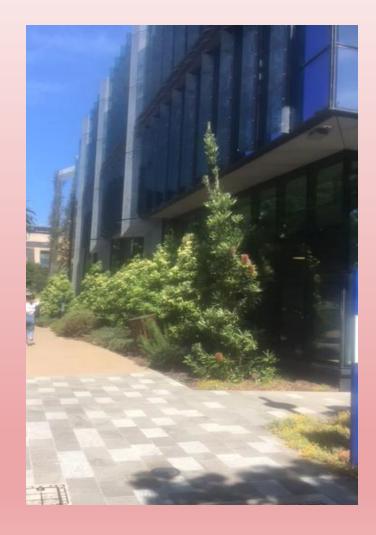
Yarra Ranges Crime Prevention Officer, Leading Senior Constable Lisa Brooks, has been working with the Monbulk community as part of the Yarra Ranges Safety Camera Network to get the best system available.

"There are cameras with facial recognition or we can alter them for registration and colour," she said.

"The software enables us to put parameters in for what we're searching for.

"We can narrow the parameter down to a red car between these times or any movement between these times."

With the view to link all CCTV camera footage to the 24-hour police station in Lilydale, Lead Sen Const Brooks said it would help police respond to incidents.



# S.M.A.R.T Surveillance Monitoring Analysis Reporting Technology ⊞ theroguebaron2.0 LICENSE PLATE READERS, Alex Antic | LP NATION FOR SOLETH AUSTRALIA

# 5G TOWERS YOUR CAN'T HAVE A SMART CITY WITHOUT IT



Ultimately 5G, moves the construction of smart cities from the theoretical to the practical and paves the way for the development and deployment of new applications ranging from monitoring air quality, energy use and traffic patterns to street lighting, smart parking, crowd management, and emergency response. It is also essential to monitor people!!!



#### **HEALTHCARE**

For users to access insurance, treatment; to monitor health devices, wearables; for care providers to demonstrate their qualifications

**DIGITAL** 

IDENTITY

#### SMART CITIES

To monitor devices and sensors transmitting data, such as energy usage, air quality, traffic congestion

#### FINANCIAL SERVICES

To open bank accounts; to carry out online financial transactions



#### FOOD AND SUSTAINABILITY

For farmers and consumers to verify provenance of produce; to enhance value and traceability in supply chains

TRAVEL AND MOBILITY

To book trips; to go through border

control between countries or regions



#### **TELECOMMUNICATIONS**

For users to own and use devices; for service providers to monitor devices and data on the network



#### E-GOVERNMENT

For citizens to access and use services: file taxes, vote, collect benefits



#### SOCIAL PLATFORMS

For social interactions; to access third-party services that rely on social media logins



**ENTITIES** 

DEVICES



THINGS





#### **HUMANITARIAN RESPONSE**

To access services; to demonstrate qualifications to work in a foreign country

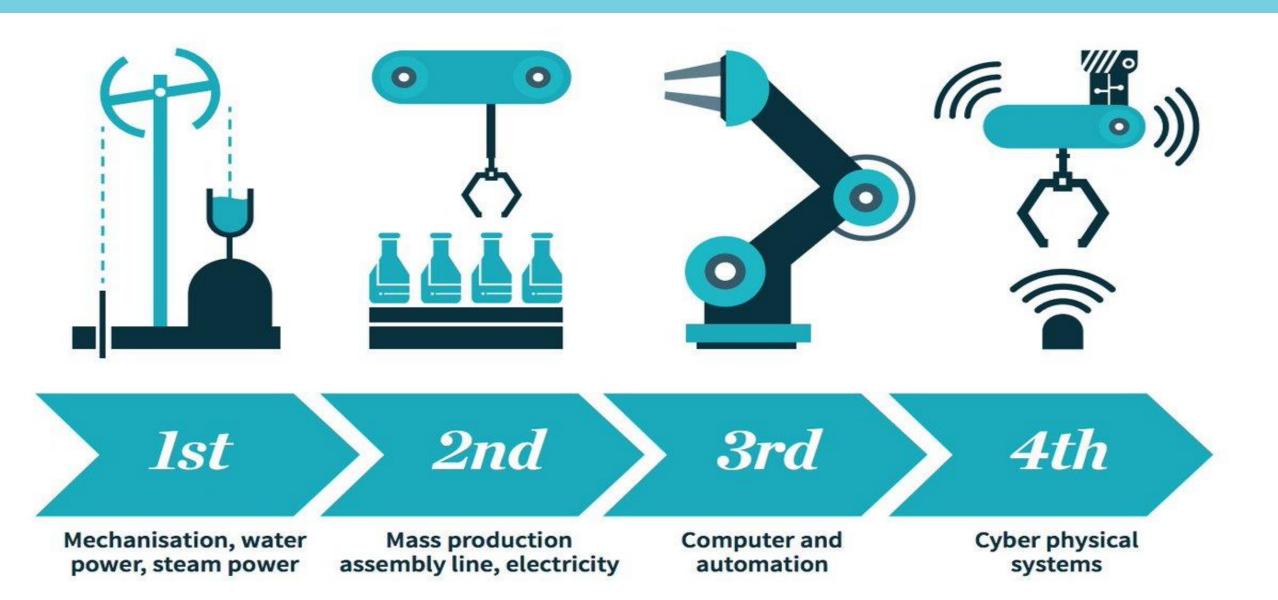




#### E-COMMERCE

To shop; to conduct business transactions and secure payments

# INDUSTRIAL REVOLUTION



# WØRLD ECONOMIC FORUM

# WORLD ECONOMIC FORUM YOU WILL OWN NOTHING AND YOU WILL BE HAPPY





# REFERENCED WEBSITES

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