

# CLIMATE CHANGE and THE FIGHT BACK

UNDER CONSTRUCTION

## CLIMATE CHANGE

It has been said by many eminent scientists  
and mathematicians that:

***"Climate Change is melting the ice  
at the South Pole ( Antarctica )"***

Calculations estimate that the sea will rise  
will be circa 60 metres ( 200 feet )

That means many coastal towns and cities  
London – Paris - New York - Harlech  
May soon be experiencing floods

**SO: What are we going to do about it ?**



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- 4.1 Conclusion / The Action Plan

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## 1.1 INTRODUCTION

### INTRODUCTION

Back in 1995 the “Open University and BBC Learning Zone” produced a TV program on **calculating volume**.

#### **A Maths Question Was Asked:-**

Based on the volume of the ice mass at the North Pole and South Pole...

- **What would be the rise in sea level if the ice melted...**

#### **The Answer:-**

- The **ice** floats on the **Arctic Ocean**. If it **melted** - **only the weather would be affected...**
- **If the ice covering Antarctica melted, the sea level would rise about 60 meters (200 feet)...**

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### CLIMATE CHANGE. Global Warming, Flooding, Sustainability

A Report: Climate Change Is Effecting Global Warming and Flooding. Solutions Sustainability.

We all know now that Climate Change is an issue, this report illustrates a few things to think about with regard to building a better world on this planet...

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### ABOUT THE AUTHOR

The Managing Director of an **Industrial Engineering Consultancy**

- In the mid 1980s founded a company in **LEAN Manufacturing and Process Improvement**
- Now been working in manufacturing for over 30 years and in 60 cross-sector companies

A Designer of Factories, Process Improvement and Company Turnaround.

- Working predominantly in the UK, also Czech Republic, France, Netherlands, Ireland, Canada
- **During the last 15 years saving and generating for companies around £12 Million...**

During the period August 2018 – January 2019 worked in the **Netherland's, Arnhem**.

- Project **Company Turnaround** - Process Improvements and **Cost Savings** circa **£2,000,000**

***My Job Is To Help People In Business - Improve Their Business... A Trouble-Shooter....***

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### WHY WE NEED TO “CHANGE”

- Google - worldometer - “real time world statistics”.
- Google - the impact of sea level rise UK (images )
- Google - car free cities UK ( images ).

## 1.2 CLIMATE CHANGE

### THE PROBLEM

We can see air pollution hanging over our towns, we can even smell the air pollution.

#### Causes Of Pollution

Industry - Manufacturing

Log Burners - Power Generation

Office Buildings - Household Boilers

Vehicles - Planes - Ships etc.

Question 1 Why do we - Waste GAS resources to generate Electricity...

Question 2 Why do we - Only talk about the problems of vehicle pollution...

Question 3 Why do we - Allow flooding of our towns - and have a “water shortage”...

**PEOPLE ONLY TALK ABOUT THE PROBLEM - NOT THE SOLUTION**

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### SO: WHAT DO WE DO ABOUT IT, NOW...

- Option 1 – Do nothing, and hope it will go away
- Option 2 – Talk about it, and hope it will go away
- Option 3 – Talk about it, and hope someone else will do something about it
- Option 4 – Talk about it, Talk to other people, AND DO SOMETHING ABOUT IT...

### **SO: OPTION 4...**

- **What are we going to do about it - And “LETS THINK OUTSIDE THE BOX”**

**This Is A Coastal Resort in the UK**

**What will the sea level of  
40 METRES HIGHER – MEAN TO YOU**

**WE NEED TO IMPLEMENT SOLUTIONS**



# CLIMATE CHANGE

## THE PROBLEM



**ROOT CAUSE**

**“WASTE”**



**EFFECT**

**“FLOOD”**

## 2.1 THE PROBLEM - AIR QUALITY and POLLUTION

### SO, THE PROBLEM

➤ **POLLUTION “DOES NOT JUST COME FROM CARS”...**

➤ The trouble is, people ‘only talk about the problems with cars’ -

#### **POLLUTION “IN AND AROUND OUR SCHOOLS”**

- Pollution is now effecting the air inside the school.
- **Bigger and Bigger SUVs dropping off our children,**
- **Congestion** is now causing problems...

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#### **TRAFFIC POLLUTION**

- But it’s not just air pollution,
- **Congestion** is now causing problems...

**But, BIG Electric SUVs will not solve congestion....**



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#### **AEROPLANE POLLUTION**

- Greater Manchester
- Birmingham
- **London**

This is over Atherton, Gtr. Manchester 7.35am  
12 vapour trails.....Pollution...



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#### **DOMESTIC POLLUTION**

We talk about pollution from cars

- but we don’t talk about the gasses  
from domestic central heating systems.



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#### **MANUFACTURING WASTE**

- **Non-Value Waste** - from Poor Product Manufacture
- **Scrap - from Moulding carpet to plastic ( in cars ).....**
- **Scrap** - from poor processes creates 10-20%. even 100%
- **Rejects and Scrap** - That ends up in Land-fill - WHY ?
- **Gas and Electricity is wasted - re-making parts...**





## 2.2 THE PROBLEM - FLOODING and WATER SHORTAGE

### FLOODING

1. The sea IS crashing over the sea walls, flooding coastal towns.
2. Water IS flooding down off the moorland into peoples living room,
3. Farmland IS flooded, cattle stranded and animals drowning,
4. Floods ARE destroying peoples homes and livelihoods.
5. What would be the cost of London under water.....

### COUNTING THE COST OF FLOODING.

Flooding is costing the country Billion's of Pounds to repair its infrastructures  
Sandbags and plasters...

We know these costs because gov.uk studied and analysed impacts (like flooded properties and businesses) and used this to calculate the costs of economic damage from flooding.

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### DROUGHTS and WATER USE

1. We are told to save water:
  - Hosepipe bans...
  - Flush the toilet only when necessary...
  - Turn the tap off when cleaning your teeth...
2. We are also told to DRINK 2 LITRE OF WATER A DAY... !!!!



Climate Change and Water Shortage



Climate Change and Wild Fires

**SO, What are we going to do about it... ?**

# THE ACTION PLAN and THE FIGHT BACK

WE CAN HAVE OUR CAKE AND EAT IT...





## 4.1 CONCLUSION – ACTION PLAN

### SOLUTION - JUST IDEAS

As an Industrial Engineer and Business Improvement Consultant - I see the problems - I also see solutions... All we need is to "Think Outside The Box"... To Fight Back...

- The weather does not respect - Nationality – faith – gender – money - rules - EU law...
- When the Earth is under water - Are we going to say ***"EU Law says we can't do that"***
- What are we going to tell our children - Are we going to say ***"We can't afford it"***

**1. FORM A RESCUE TEAM ... Engineers / Developers / Investors**

**2. SET UP A WORLD WIDE ... Climate Change Rescue Fund...**

✓ We have the technology... Let's Start "The Fight Back"...

***Are we the "Last Generation To Do Nothing"***

***Or are we the generation to do something...***

***To create clean growth and a clean Earth for our children's children...***

**Governments just talk – DOING SOMETHING WILL BE REMEMBERED...**

	CONTINUOUS IMPROVEMENT - ACTION LIST	CHAMPION
1	Set up a "Climate Change Rescue Team" ( Engineers & Developers )	
2	Set up a "Climate Change Rescue Fund" ( Governments / Investors )	
3	LOOK at the "ROOT CAUSE" - Not at the "EFFECT"	
4	BUILD – Sea Defences - Build OUT Into The Sea...	
5	BUILD – Coastal Land Reclamation - Build OUT Into The Sea...	
6	BUILD – Coastal Regeneration ( Think outside the box )	
7	BUILD - Reservoirs and New Woodlands - like Kielder	
8	BUILD – Moorland Water Catchment & Storage Reservoirs	
9	BUILD – Low-land Water Catchment Reservoirs – Respect The Farmers	
10	DREDGE – Straighten And Widen Streams And Rivers – Respect Wildlife	
11	PLANT – More Trees Upstream - But Respect The Hill Farmers	
12	BUILD – Carbon Capture - Convert CO2 and Waste into Energy	
13	CREATE – NEW JOBS IN NEW INDUSTRIES	
14	THINK OUTSIDE THE BOX - FIND NEW SOLUTIONS - IMPLEMENT	