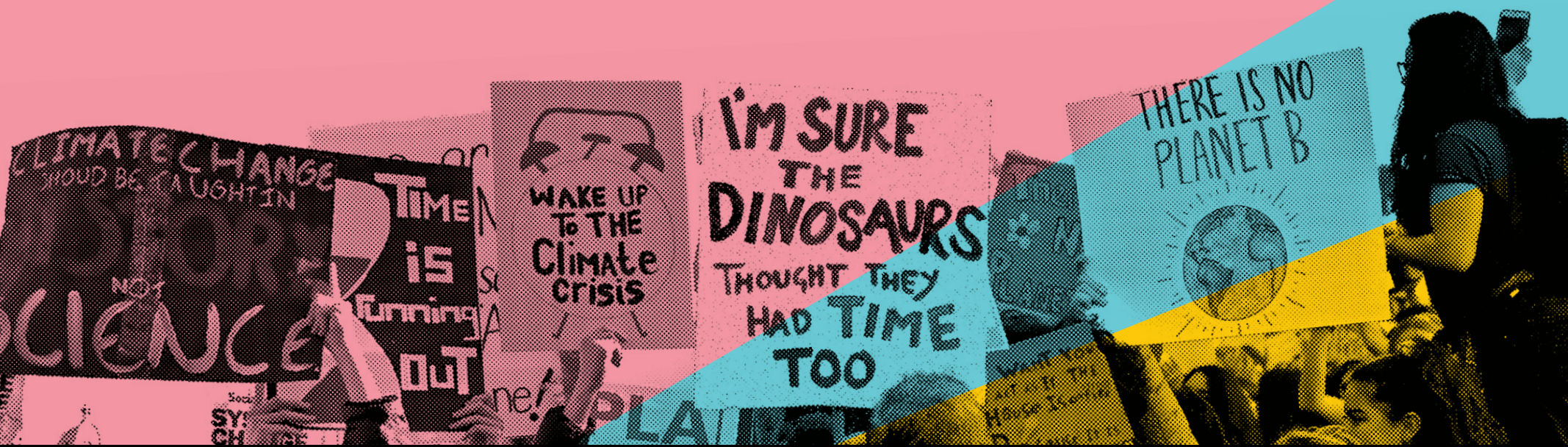


# OUR CITY OUR FUTURE



**Transition Town  
Milton Keynes**  
local action for low-carbon communities



European Union  
European Regional  
Development Fund

**INTENSIFY**  
Interreg Europe



**COMMUNITY  
FUND**



**milton keynes council**

**eco design**  
consultants  
Architects & Environmental Consultants

**help close by**

love every drop  
**anglianwater**

# IMAGINE MK 2030

**A competition set up by Transition Town MK to collect citizens' ideas for a greener and more sustainable future.**

**The judging panel included representatives from local design architects Eco Design Consultants, the charity Help Close By and Anglian Water's Community Education Team.**

**These are the winners in each category, with all other entries on a separate PDF on our website.**





The judges remarked on the originality of this idea. All other MK transport ideas put forward were for electric cars. Whereas, this creative solution proposes a different approach to traffic problems - using cable cars!

One judge remarked that it could be feasible by using our large central reservations in MK and how this novel form of public transport could be a great way of encouraging people to leave their cars behind.

Under 12s





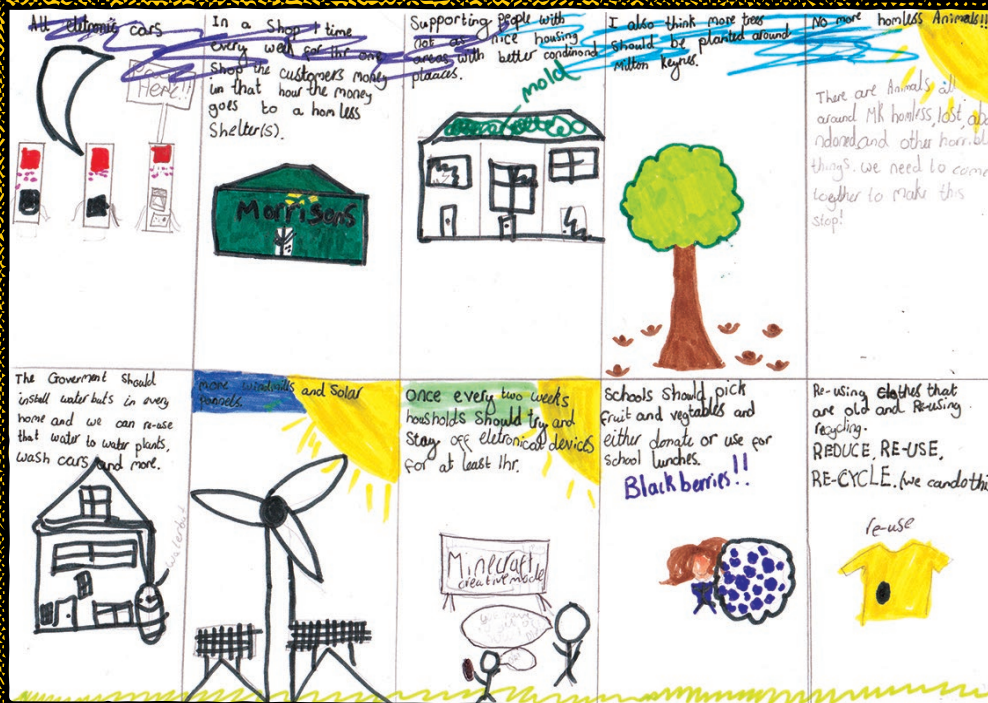
This was a very thorough, visual representation of lots of ideas for what living in MK would look and feel like in 2030.

Our Anglian Water judges particularly liked the idea that having water filters per town would save pumping water so far around the region, in addition to supporting a reduction in carbon emissions. They also suggested it could even help raise awareness of the amount of water being used by people if the cleaning process was visible in the way this idea suggests.

Under 12s







A comprehensive, visual submission, covering a number of very important issues that can help us become more sustainable.

The detail of the ideas was amazing and this submission was a hit with all our judges!

Under 12s

3RD  
PLACE

### Goal 3: Dual carriageway traffic turbines : How

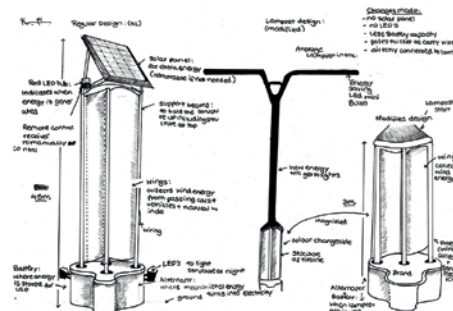
#### How will the dual carriageway traffic turbines work

The traffic turbine will be a small cylindrical structure which would be powered by vehicles which are passing by it to create wind energy. Natural wind energy could be used as well as in the United Kingdom, most towns are quite windy throughout the year. The turbine has a small footprint allowing it to work efficiently in tight spaces. It will also record temperature numbers to plot into statistics later in time to see how it has helped improved the environment. In a tested environment in Istanbul, it has been proven that only 300 of these turbines alone could power 20,000 houses.

Additionally, it will counter the carbon footprint made by vehicles across Milton Keynes as well as that it will take up any unused space on the dual carriageways which would be otherwise wasted. The wind from the cars and the natural wind will hit the wings of the turbine making it spin. This will produce mechanical energy: this energy will then be converted into electrical energy via an alternator below the structure, this electricity will then be stored in a battery, this can be used for multiple purposes. Tests have shown that a single turbine running for six hours can produce enough energy to light a house for a day.

Modified designs of this structure could also be added to the vast amount of lampposts throughout Milton Keynes, they could power the lamppost at night with only the needed amount of clean energy, the rest of the energy that would be unused in the situation could be stored in a conserve (battery), or could be given straight to the grid, generating extra income for the government.

### Goal 3: Dual carriageway traffic turbines: Design



This student at Denbigh School was commended by our judges for their well-researched proposal.

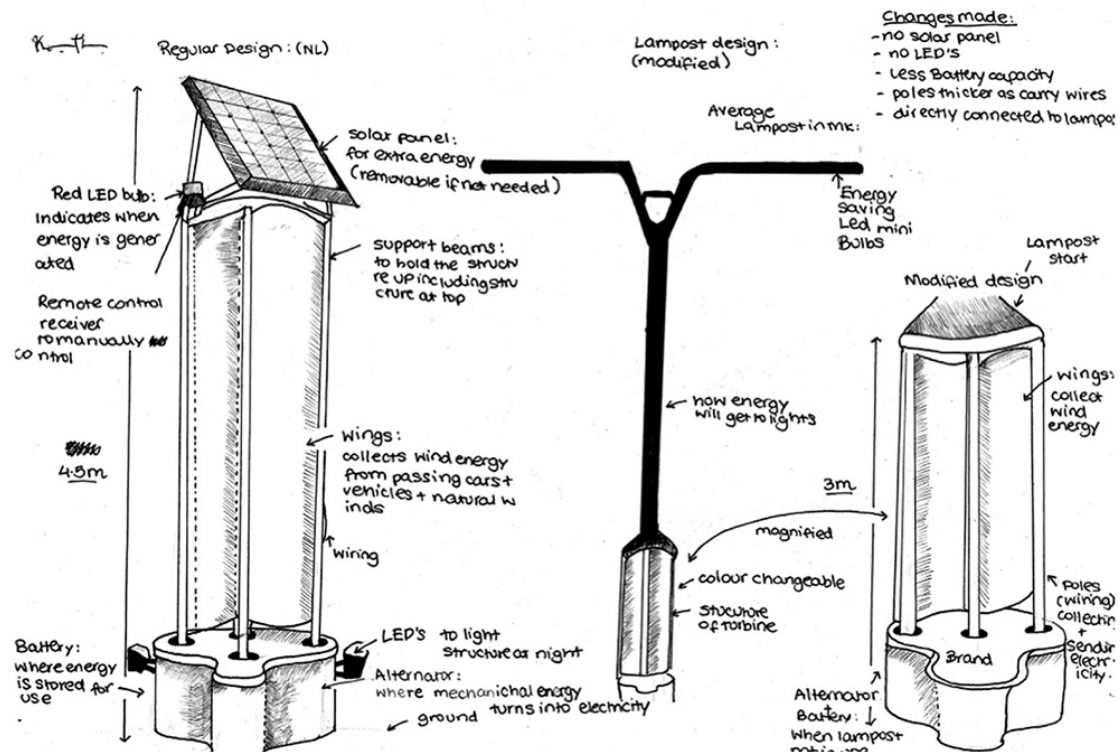
This clever idea takes the concept of wind turbine technology and practical use-cases known elsewhere, to create a novel evolution of it that imagines our cars powering them to produce a MK based solution that could give energy to our homes and street lamps.

1/2

12-16s

1ST PLACE





2/2

12-16s



# MY VISION

By DB1021

There is too much litter in MK and especially in Loughton.  
There are hardly any bins and people leave rubbish everywhere.  
The council can't afford to pay for more bins to be emptied.  
I have a solution...



**A thorough appraisal of  
a specific litter problem  
in Loughton offering a  
simple solution to address  
environmental issues  
while building community  
cohesion.**

## 1/6

12-16s

**2<sup>ND</sup>  
PLACE**



## I HAVE CHOSEN THE GOAL LITTER

- I have made a basic excel spread sheet to show my ideas:

	create	start	ask	achieve	meetings		
what	maps, rota	share jobs	more bins	clean planet = clean mind	every Sunday	make sure people are on task	
how	share our ideas, ask community	make sure we schedule around work hours	write email to gov explaining our idea	stick to plans	once a month	to change the rota	
when	start 25 april	after approval, sort jobs between postcodes	30th april	hope to be clean by 25 jun	3 times a month	to check in on jobs, what next	
who	gov, family	every postcode group in milton keynes	peticion - gov from family	hopefully everyone			
why	to start important changes	to minimise work	to STOP litter	to have a clean planet			
what are we going to do?			if they dont reply we start our own				
how are we planning to do it?			rota but then as soon as possibly we				
when does this need to happen?			get more bins				
who is going to be involved?							
why are we doing this?							

2/6

**12-16s**

# 2ND PLACE

# 1. MAPS

- I came up with the idea to have a BIN map
- This map would be created in the form of an app
- Eg. If you were out on a walk and had some rubbish to put in a bin you would open the bin app and would be able to find the closest bin to you
- That way you can ensure that in your walk you past a bin.



A BIN



3/6

12-16s

2ND  
PLACE



## 2. ROTA

- Another plan is to create a rota.
- Each postcode will be a group and each group will have a rota.
- This rota will tell us which house hold will be emptying the bins each week.
- Each group are assigned a local area in which they need to empty the bins.
- Each house hold will empty the bins around that area on there week.
- On the weekly meeting there will be time to discuss any problems that need to be sorted.
- Each family member has to take part as long as they are over the age of 5.
- This will be optional but it is a community effort so you will be expected to take part.
- We will revisit the jobs once every three months to make sure everyone is happy and will also meet once a month to change the rota and area.
- Remember we can't have more bins if **nobody** empties them!

4/6

12-16s

**2<sup>ND</sup>**  
PLACE

### 3. MORE BINS

- In many areas in Loughton there are hardly any bins!
- This is because the local council can't afford to pay people to empty them.
- This makes it less likely for someone to put there rubbish in the bin if there isn't one.
- Some people would take there rubbish home but a lot of people wouldn't.
- More bins means more need emptying which is why I have created the rota.
- Around the 30<sup>th</sup> of April a email will be sent to the council about the lack of bins.



5/6

12-16s

2<sup>ND</sup>  
PLACE



## 4. WHY YOU SHOULD TAKE PART

- There are many reasons why you should take part but one of the main ones if you don't take part then the council will have to empty the bins which means we will have to pay more council tax.
- You will also be able to enjoy clear rubbish free parks.
- Its only a small change that you can take part in.



6/6

12-16s

2<sup>ND</sup>  
PLACE

## Bus shelters for the Homeless



### Homelessness in Milton Keynes

→ Homelessness is a rising issue in MK and needs to be resolved. This is because visitors who come to MK may be put off by the sight of the homeless near popular areas like city center. Therefore, they feel less welcomed.

→ providing these <sup>existing</sup> bus shelters in more areas allow more homeless <sup>people</sup> to have a roof above their head.

→ These bus shelters are stable and can also save energy as they have solar panels on the roofs.

### The facts

→ In 2019, MK was named the youth homelessness capital of the UK.

→ This is because MK is one of the most unaffordable UK towns.

→ MK community foundation stated '1 in every 117 people in MK are homeless'.

**This young person's idea was picked up for the research they had done to find a solution to help combat homelessness by reusing old bus stock to provide solar powered shelters.**

12-16s

**3RD PLACE**



## Plant bee-friendly flowers and bee hotels on our roundabouts



This winning idea uses a thing that Milton Keynes is renowned for - roundabouts! The ingenious idea is to use our hundreds of roundabouts to plant bee-friendly flowers and bug hotels.

One judge remarked what a clever use of space it is to make our roundabouts attractive and pollinator friendly. Whilst another commented on how this idea considers the uniqueness of the MK landscape and offers a simple solution for using green, otherwise unusable space, to help increase biodiversity.

This creator showed she'd done her research, by stressing the importance of taking care of honey bees for a more sustainable future.

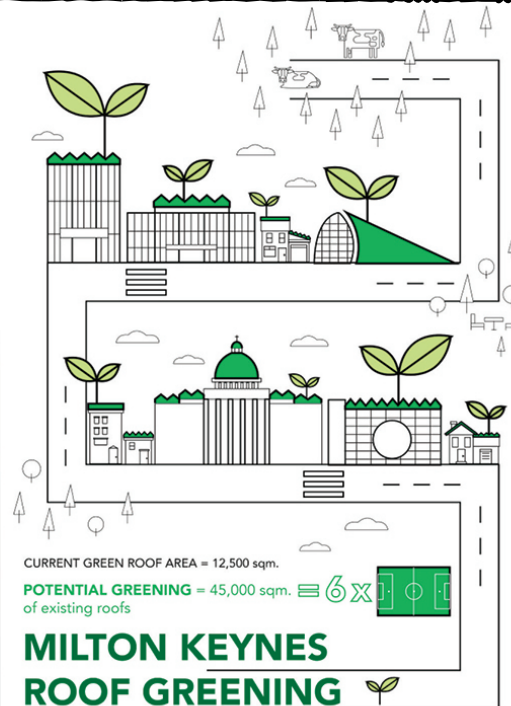
Over 17s

**1ST**  
PLACE

## Leaf no roof unused

Benefits of green roofs include:

- Water attenuation, storm water management and flood reduction
- Insulation; keeps the building warm in winter and cool in summer
- Sound proofing; reduces external noises
- Air cooling; reduces surrounding air temperatures and the urban heat island effect
- Air cleaning; carbon capture and sequestration
- Protection of the waterproofing layer; extends the lifespan of the roof by up to 200%
- Creation of secure areas for ground nesting bees, birds and invertebrates
- Contribution to good mental health and wellbeing

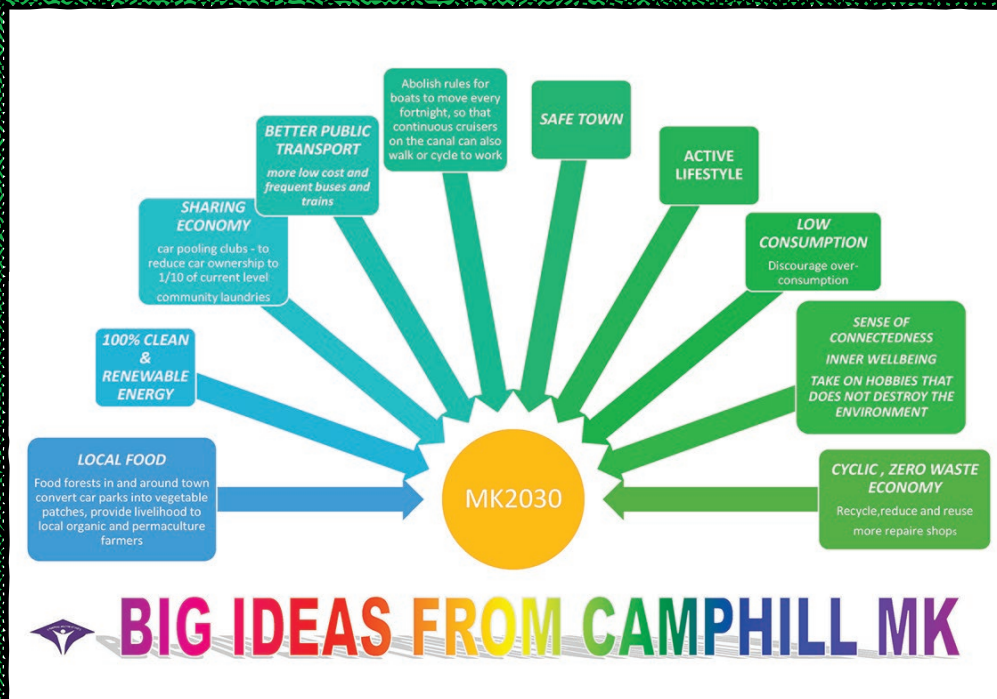


**This idea of using roofs as planting space was a hit with our judges for how it explains the many benefits of doing it, and demonstrating how the scope of applying it to Milton Keynes roofs would cover the equivalent of 6 football pitches!**

Over 17s

**2ND PLACE**





**Camphill Milton  
Keynes Communities  
were praised for their  
beautifully presented  
collection of sustainable-  
living ideas for Milton  
Keynes residents.**

**The judges remarked on  
how clear and concise  
the variety of ideas  
were on this entry, and  
liked how accessible  
all the points are for  
everyone to do right now  
to help us reach our 2030  
sustainability goals.**

**Over 17s**

**3RD  
PLACE**



**We have marked the group entry from the class from Southwood Primary School as "highly commended". Although not eligible for an individual prize, we recognised the great deal of thought, time, and effort that went into creating it and commend its originality.**

**As they depict in their creative idea, they see the United Nations 17 Sustainable Development Goals as being like a jigsaw - where parts of the puzzle are coming into place, whilst other parts are missing and still to be found.**

**Group entry from  
Southwood Primary**





# LET'S WORK TOGETHER

**TTMK are promoting and helping the transition of Milton Keynes to a zero carbon city.**

**But we can't do it on our own...**

**Let's work together to beat the climate crisis and build a brighter, healthier future.**

**Get involved in our sustainable projects and join in with our future events.**

**Visit [www.transitiontownmk.org](http://www.transitiontownmk.org) to learn more and to sign-up to our mailing list. Or email us at: [transitiontownmk@protonmail.com](mailto:transitiontownmk@protonmail.com)**