

~ blue SEAS ~ green ACRE ~ A new world NGO

Clean our SEAS – global waters of the world

SEA PR (the 3 Rs)

**Plastics Recovery, Recycling & Reprocessing.**

*Remove microplastics from our global food-chain.  
Reduce Risk of major flooding.*

## **PROPOSAL**

**To counter effects of anticipated sea rise levels.**

*Build in UK 4 (option 6) off MRLC factory/research ships by 2025 (initiating a large fleet of 'New-builds', plus modified less costly 2nd user repurposed vessels.*

*create a 'Smart' Severn City by 2035 generating between a quarter and one third of the entire UK's energy need.  
Starting east of Porthcawl build 4 TEC Barrages with 5 Lagoons;  
(Countering devastating climate change before 2050).*

**An enlarged Cardiff Airport -**

*Create a Major Transport & Tourist Hub including;*

*Container & Freight Terminals,  
Cruise Ship and Ferryport, Marinas, Shipyards,  
Floating 'Social' Housing, Rail & Freight Terminals,  
4 new trans Bristol-Channel Rail & Highway Crossings,  
University, 2 major Hotels,*

*Naval Base, Defence systems, also to counter flooding of the proposed Hinkley Nuclear facility during tidal surges, and storms.  
Protection for Bristol, Avonmouth, Sharpness, Tewksbury, Gloucester, Evesham,  
Newport, Cardiff, Barry, and the Somerset Levels,*

*Effectively becomes the Western Terminus for the Chinese Great Silk Road linking UK & Wales to Europe and Asia as a Freeport with shortest sea routes to the U.S, Canada and Panama.*

**A World Class HUB.**

*Construction brings reliable well-paid work on a near permanent basis to some 44,000 persons during and following construction. which (from our initial planning phase over the past 3 years) comes as a necessary aid to firms able to take on various specialist aspects of this essential mega project.*

*Preliminary cost estimates currently 15% more than originally calculated prior to pandemic and war supply chain logistics - inclusive of infrastructure - civilian, educational, industrial, commercial, research and defence needs – MRLC vessels can be used across a broad spectrum of 'green' activities - modular maritime utility craft, including major production of potable Fresh Water.*

### **Secondary infrastructure needs; under consideration:**

*Ie: Sewerage, effluent, treatment plants, landfill sites,  
Recycling plastic plants, recycling electrical & white goods plants. Desalination Works F.Water production.*

*Medical, Hospital(s) Fire, & Police Stations,  
Bio-buildings ~ vertical farming, plant propagation including seaweed, sea grass and kelp farms,  
Marine Studies, and Fish Farming.  
Architectural, IT & Tech, Science and Space Museums.*

*The city planning list is expandable and practicable, minimising transport costs and dual handling in a cohesive process of pre-planning.*

*Very rare opportunity to do so: 'A real one off'*

*Space for plenty of turbines enabling the UK to become a genuine leader in Maritime Technology.*

*Author M.A.Smith Founder*

## SYNOPSIS ~ blue SEAS ~ green ACRE ~ BASIC AIMS

**S9L ROUTES** Burry Port, Pendine, Kidwelly (Amman Community Rail Environs)



**Serving Swansea Bay City Region** and beyond, developed from

*Initially re-developing a Standard Gauge 'Community Rail' ex Network Rail Freight Lines across the Amman and Gwendraith Valleys constituting a potential new Tourist Route through to South West Wales.*

*Retaining an ability to handle light freight, Pathfinder Tours, Heritage Steam, and other excursions as an 'Open Access' Train Operating Company (TOC) with links into the Heart of Wales Line.*

**Ultralight Virtual Eco Trams (VETs) to re-vitalise transport for an environmental new age** which no longer need rails at all, with a max 6 tonne axle loading enabling running on Sustrans Routes, Roads, and Highways in a potentially fully automated way.

- *Crewed initially by paramedic trained personnel,*
- *Using non-polluting, Low carbon renewable energy.*
- *No intrusive rails needed, due to new well tested wheel and hub motors,*
- *Improved battery, capacitor, solar road and regenerative charging technology.*
- *Safer, no derailments, and able to easily re-route around accidents or road works.*
- *Call on demand by smartphone on a digitised rolling block system,*
- *Less empty vehicles, enabling greater efficiency at less cost to fare paying passengers.*
- *Passing adjacent to almost all Hospitals, Universities, through Town and City centres,*
- *Commercial, industrial warehousing, museums and tourist hubs, ports, barrages, airports.*
- *Linking almost seamlessly with all other systems of transport.*
- *Rural Gardens, Parks, Beaches and Beauty Spots. Please get in touch for more information*

## Internationally: SEA PR ~ blue SEAS ~ green ACRE ~ BASIC AIMS



*With tacit blessing of SkyTV Ocean Rescue & Ocean Venture Ltd Co's & many other organisations*

**To create a fleet of bespoke vessels to remove floating and micro plastics from the World's rivers, beaches, seas, and ocean by 2050 initially using Multi Role LC 26 & 32 Factory Ships worldwide, including UK; initially to build a new Severn Barrage to counter Climate Change.**



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Proposed factory build ships (MRLC 26's) for ~*blue* SEAS ~ *green* ACRE ~ Sea PR (Plastics Recovery)



As designed by (Capt) Mike Smith © MAS aiming to create ~ *blue* SEAS ~ *green* ACRE ~ worldwide NGO

Amman Valley Heritage Railway

Amman Valley Railway Society  
Charity No. 1119598

Autosail – J. Manners-Spencer

B. Mullard – Offshore Safety  
Consultant

Bosch Hydraulics

Gates Transmissions

Pi Super Yachts



Pyro PIP – D & C Heathcote

Savtrans Ltd

Sea PR - Plastics Recovery



Swansea 9 Lines ©

Swansea & Mumbles Tramways  
Ltd

Trans Ocean Design –  
(Capt) Smith

Ultralight Transport Ltd

Welding Technology Wales Ltd

Working with Jordan's  
Consultancy - 2GR Patent

Dear Interested Parties,

*Have a great festive season 2022/23*

We intend being a major part of the clean-up ops which I believe we can largely complete and achieve by 2050, pretty much planet wide. Especially with the introduction of new bio science developments such as the 'plastic digesting mushrooms' that 'Some of Us' mention, and SKY TV's Ocean Rescue & Venture's (whose tacit blessing we have) effort with biodegradable plastic made from Seaweed at Skipping Rocks Lab). Research is moving apace.

We can supply existing small craft, also pre-designed bespoke new-build larger 'green' ships suitably outfitted ...

further, can utilise larger old redundant ship tonnage for modification or charter using offshore & jackup rigs to work in various specific sectors around our globe.

**It would be good if we homo sapiens could all work together towards a future which is nigh upon us. Surely not too much to ask? Or do we choose with heads in sand to virtually decimate humanity - an avoidable extinction event.**

**How?**

**Historic Background - Exec Summary**

As a F.G. Master Mariner, professional diver, often involved in ship design and new builds, sometime shipowner, and an environmental activist for more than 50 years; witnessing often at 'first hand' problems arising in some 90 countries (visiting more than 480 ports and cities worldwide) involved heavily in transport enhancement issues for the past 30 years- usually within the 3rd sector voluntary basis - S9L (AVR Group) plus ~ blue SEAS ~ green ACRE ~ our proposed remit is to:

1) Enhance existing rail, VET (virtual-eco-tram) and metro in Wales and UK making it less polluting, affordable, thereby extensively enhancing tourism.

2) Series build a number of MRLC 26 & 32 design versatile bespoke SEA PR (plastic re-processing) factory, research/rescue ships; to bring back shipbuilding and, importantly, recover vanishing nearly lost, related skills to the UK for, hopefully, believed forthcoming MOD orders, (and elsewhere) enabling yards to resume shipbuilding.

3) To this end: Welding Technology Wales Ltd, partnered with our S9L (AVR Group) 'strategic alliance', has advanced welding capability; genuinely **the most technically advanced engine driven welding systems in the world** - including deep cycle battery charging systems - some 6 years ahead of any other methodology on the planet - which can substantially reduce both time and cost of any major welding work - potentially reducing shipbuilding construction time by as much as one fifth - Applies to virtually all types and methods of welding. Certification available. Large foreign interests have been actively pursuing this technology, already incorporated into some Briggs & Stratton, Bosch Hydraulics, and Gates PowerTransmission products jointly produced by WTW.

4) Similarly, PIP (Australia) can reduce electrical fire risk in structures on land, marine, or elsewhere, by identifying any high thermal overload and causing it to shut down before the circuit goes critical. Had the system earlier been easily installed into building components prior to the fire at Grenfell Towers the conflagration would not have happened. (I first saw it in production and tested some 14 years ago when it was patented and being installed in white goods, it has since been used extensively in social housing, endorsed by fire brigades throughout the UK and abroad).

5) Use 4 to 6 of these highly versatile ships to build/construct and float out a very extensive (and yes, expensive, but desperately, essentially, needed by c2035) a multi TEC (tidal-energy-conversion) **barrage system supplying about 1/3rd of the UK's total energy need**: Our Trans Ocean Design marine-team has already undertaken some years of R&D to plan a new major Transport & Tourist Hub which has been completed as a preliminary draft (as yet subject to change without notice, further detailed research, contract verification, tendering process', and planning approvals); connecting directly by rail to Continental Europe and rest of the UK; a base consisting 4 barrages, encompassing 5 lagoons, to protect against worsening climate conditions causing more frequent major flooding, tidal and/or storm surge events.

By 2050 our main ports in the upper Bristol Channel and Severn Estuary will be unusable. Populations will have to move, unless these barrages are built.

We are not harbingers of doom. But are 'r.w.a'; partly equipped to start the ball rolling. This means RAPIDLY gearing up all major steel makers, stockists, 'civils', engineering, suppliers, marine operators, architects, construction companies, some of which we may have already contacted or shortly will do.

**Please do not hesitate in contacting us if you want, or are able, to be involved.**



## THE BIG ASK

If you wish to contribute to any aspect of the 'bigger picture' you can involve yourself in a practical manner by volunteering your services or contribute in any currency, crypto, or property, to a suitable escrow account in the UK or abroad to become a cog in a larger wheel that will turn to help bring about the change so desperately needed, in principle agreed at COP26.

Donate a ship, boat, RIB, barges, houses, offices, commercial or industrial premises, docks, land, aircraft, hovercraft,

**Across this planet 2 billion people are likely to lose their present places of abode by 2050.**

Surveyors, marine operators, transport & logistics, rail and construction companies, postgraduates, et al, including training and educational facilities (needing to help students find long term work in a plethora of professions; many of whom could perhaps be volunteer apprentices for a six month period before signing on for, say, 3 year apprenticeships.

We as the S9L (AVR Group) of 'strategic alliance' partners forming up as ~ blue SEAS ~ green ACRE ~ an international NGO (should we not have contacted you as yet, respectfully suggest you do with a view to discussing potential involvement with something that will positively change Wales and the UK for the better at a time our countries (not to mention the planet) most need it to counter effects of pandemic, war or social disharmony: Appreciate hearing your views or suggestions.

**NB The planned new Thames Barrier needs to be completed 20 years prior to its current projected opening in 2070. Rotterdam and some of the Lowlands may be lost c 2200 according to some of the their own excellent engineers.**

4) As the MRLCs complete contract guarantee dry-docking after initial works possibly (perhaps also on the newly confirmed Swansea 'Dragon' Lagoon) intent would be to remove and reprocess micro-plastics from the seabed in the region of Swansea Bay (found to be worse by Swansea Uni than expected in late 2021); after which the MRLCs **would likely commence work internationally**; these to move onto other more productive areas (each ship is cleanly capable of processing about 1000 tonnes per week - wherever adequate source material is available, worldwide - in a fiscally sustainable manner).

5) **Creates four rail, metro and highway crossings** linking Porthcawl, Barry, Cardiff and Newport crossing to Minehead, Bridgewater, Weston-Super-Mare, Avonmouth, Bristol, respectively.

6) **Freeport, Airport** ~ extension for London less polluting and safer largely over water, not land, reducing sewage runoff occurrences, dropping out millions tonnes of sediment by reducing flow rates and scouring, clarify the water, enhance biodiversity and wading bird food-chain, deplete foreshore, reduce tidal range, optimally maintain lagoon levels using reversible pumps with spare turbine capacity (because of the 30 mile distance between east & western-most barrages, there is nearly always adequate power available to adjust lagoon levels when needed).

7) **Container Port, Ferry and Cruise Ships Terminals**, two potential bespoke 2000 bed Hotels, (one connected by hi-wire to Barry Island), Marina(s),

**University + residential accommodation - Naval Base adjacent** (with defence systems for entire barrage complex)

Shipbuilding, Covered Shipyards, Dry-docks, Manufacturing, Commercial. IT, Industrial, Chip manufacturing, 'Smart', Biologic City, enabling Floating Housing, Recreation, Fishing, Shellfish farming, Floating Solar, Hydrogen production.

8) All above giving good work/jobs on a secure and largely permanent work basis for some 40 to 50 thousand persons within a post-pandemic Britain.

**Comment:** *The moon is unlikely to fail and thus tides are not much subject to cloud or hurricanes - Timely investment now needed in reliable seaborne sources.*

*Currently TEC and wave power is only 2% of the world's renewable energy - initially somewhat costly, but even more costly and potentially deadly to ignore. **Help us invest in saving all our grandchildren's and this planets inhabitants future.***

***It would be good if we could all work together towards a time that is nearly already upon us.***

*Please work with us,*

*keep well,*

*Mike*

*Mike Smith*

N.b. This document is open to public dissemination.

PARTNERED WITH:



Gates – Amman Valley Railway Society – Swansea 9 Lines – Trans Ocean Design – Pyro PIP – Welding Technology Wales Ltd – Ellipse Charity Foundation

(Capt) Mike Smith

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Swansea Bay City Region, Wales, UK

Founding ~ blue SEAS ~ green ACRE ~ worldwide NGO in Ocean Plastic Recovery





# Swansea Nine Lines (EDITED 2021 ©(Capt) Mike Smith)



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— Rail  
— 2GR  
○ Interchange

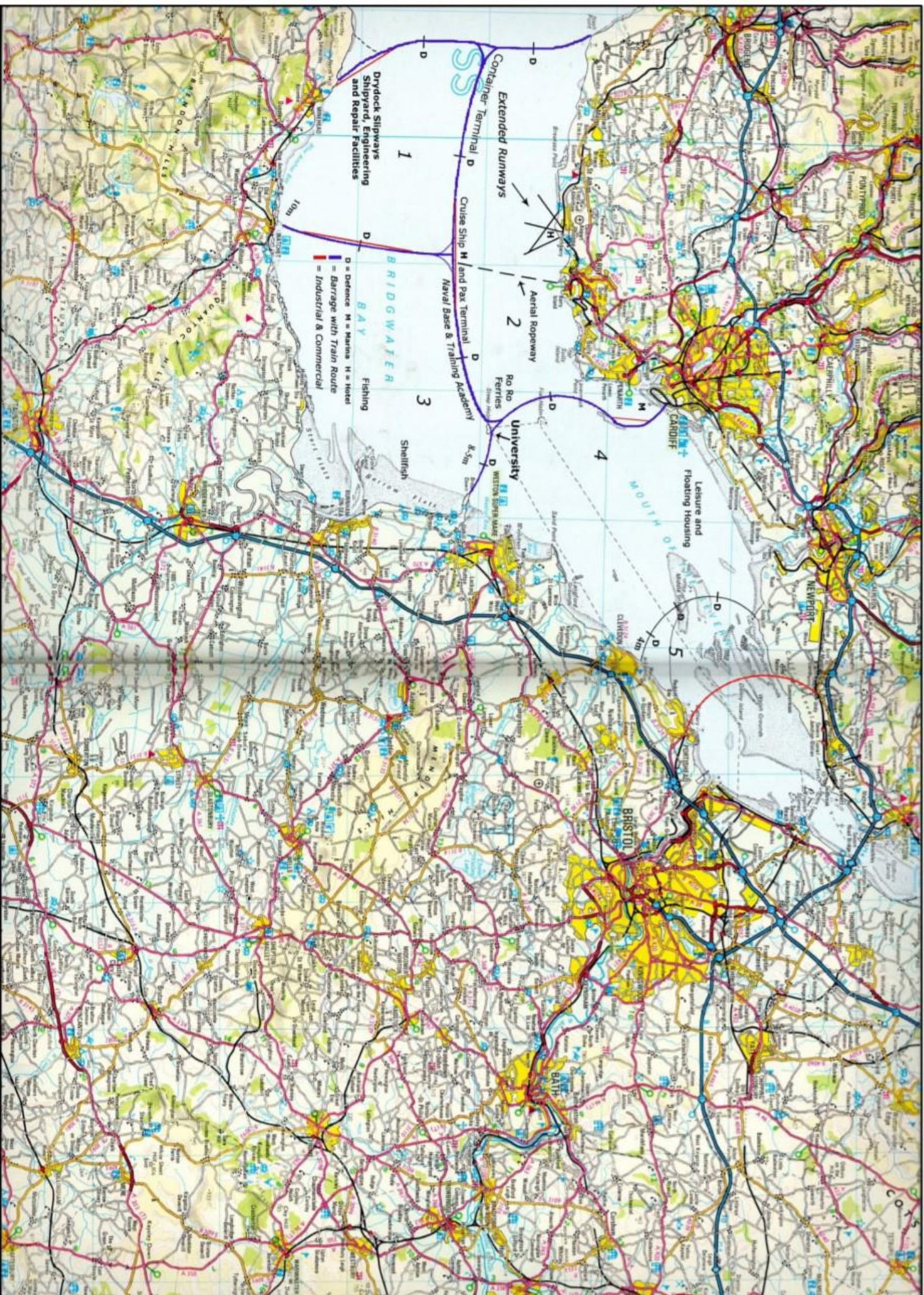
~ blueSEAS ~ green ACRE ~  
PROPOSED TOURIST ROUTE



Cardiff Airport









“ Jeremy Miles AM re S9L (AVR Group) 24th July 2022

Dear Jeremy,

Congratulations in being re-elected,

Meeting largely re Wern School Living Museum and Gelligrion Hospital refugee community? Potential volunteers - chance to start a new life, (given a dearth of volunteers across the board)

Executive Update Open Letter

As a Consultancy, Transport Design and Logistical 'think tank'(brains-trust) up and running based earlier on a 3rd sector organisation originally started in 1992, for local transport, steadily expanding greatly in demographic cover from 20k to 750k whilst supplying information freely to Authorities:

Recently founding ~ *blue* SEAS ~ *green* ACRE ~ having created over the past 3 years a cohesive design for a Severn Barrages 'Smart' City as a major Transport, Tourist, Air, & Freeport Hub:

Sustainable; much needed to counter global climate change whilst integrating our own ship and marine oriented TEC, 'civils', advanced welding technology, including patents on ultra-light rail (2013); a 'virtual circle' low carbon SEA PR in which we plan and – likely – can remove most plastics including microplastics from this planets marine environments by c 2050 in a sustainable manner.

There is available, as part of a fast-growing strategic alliance - including the tacit blessing of SKY TV Ocean Rescue and Ocean Venture, c20 million tonnes of suitable stone in Wales about which we have already been in discussion with NR & ABP i.r.o. Transport.

Nb. Consideration of the 133 potentially unsafe tip sites in Wales, should also bear consideration for usage therein, subject to suitability survey at each site.

I previously contacted H&W Belfast and members of the steel industry, whilst continuing to liaise with TFW, West- ern Metro, WG, DfT, SBCR, and County Authorities.

We have global affiliates joining our strategic alliance from abroad; US and Australia, but also Indonesia, and other far Eastern and Asian entities with a view to gaining larger international finance and assistance.

Please take and make time to peruse these documents.

China is a good contender - in my personal view - as a potential partner, this new proposed 'smart city' potentially becoming the western terminus of the new 'Silk Road' being created by them. Plus a gateway to the Americas.

A possibility exists here perhaps of *Government Bonds* being issued in support of the project(s), which being feasible as a whole, we anticipate being welcomed by a range of investors; your further thoughts on this being appreciated.

We are approaching many who attended COP 26 last November. That also covered Marine Week in Parliament wherein ideas in Upper & Lower Houses are good, but should go further to protect public health, welfare, and, importantly, inter-generational well-being beyond 2040; the next 13 years being the only 'open window time' to get a major project successfully completed - preventing catastrophic flooding and displacement of people. Cost high but affordable; essential given no realistic alternatives.

Sincerely,

Mike

see below 'Precis' of developmental thinking:

**One world, one project, to accomplish many requisite AIMS in shortest time frame**

**Cost effective: World Health, Social Well-being, Clean-Up & Cohesion** – relative to all life on the planet

- Series build bespoke Multi Role Landing Class (MRLC) factory/research ships at Belfast or Appledore to re-train staff (take up necessary for forthcoming MOD work).

Use these 'new-builds' to manufacture and emplace 'float out' sections of barrage and emplace TEC turbines and accoutrements. Shift the millions of tonnes of Welsh sourced suitable rock to bolster the western-most barrage base in particular enabling the release back to the build yard(s) the guarantee drydocking of any newbuilt MRLCs.

**Test microplastic recycling methodology by recovery trials of microplastics from Swansea Bay in conjunction with University of Wales' ongoing research.**

**Best counter to reduce global warming fast, clean the seas of plastic & microplastics – SEA PR**

Produce potable Fresh Water by reverse osmosis from sea water (increasingly in demand worldwide) simultaneously recovering micro-plastics therefrom, also for recycling.

Recycle by pyrolysis floating or beached Plastic Waste producing bio-fuel for own ship consumption. (Each MRLC can recycle up to c1000 metric tonnes per working week).

The MRC range of ice class landing ships double as rescue and recovery vessels, offering naval logistical support with military applications, and highly effective hospital disaster zone evacuation ships able to deliver heavy plant and equipment in a cost-effective way under adverse circumstances.

Stateless persons and refugees may volunteer to work as crew of these modern versatile workhorse ships; receiving good living conditions and temporary or long-term accommodation with a clear purpose in life including excellent training.

Best regards

Mike

Cc Open Letter:

CVS, CAVS,

Swansea Bay City Region Board. Transport Companies, Govt Agencies.

~ *blue* SEAS ~ *green* ACRE ~ Executors, Trustees, Directors. Participants. Supporters Conglomerates & Partnerships

Parliament. Buckingham Palace. VIPs. International Financiers, Int'l Conglomerates, IMO, UN, WHO, NATO and similar, NGOs, & Media.”



# ~ blue SEAS ~ green ACRE ~

Is the result of the need for project sustainability and the need to clean up our oceans in a worldwide effort. The opportunities for recycling plastic for use in transport systems are especially of interest to us, having originally set out more focused on a stand-alone local railway on behalf of a local charity, the Amman Valley Railway Society, in the aims to create a public transport system in South Wales of the UK, connecting communities, reducing pollution and road congestion by offering an alternative to car travel by way of the project of Swansea 9 Lines © (see website [www.avrail.org](http://www.avrail.org) to find out more). The overview soon became bigger in the eyes of the charity's then CEO, (Capt) Mike Smith, due to this mentioned sustainability issue. As the reality of what he believed necessary to create this transport system further sank in, it became apparent to him that a larger effort was needed if the project was to be successful. As the CEO of the strategic alliance of companies known as S9L/AVR Group, and now the President of the mentioned charity AVRS, having recently transitioned from CEO to this presidential position, he is entirely focused in aiming at a bigger scale and is working to create ~ blue SEAS ~ green ACRE ~ to achieve these ambitious aims. With a primary purpose to clean-up the Worlds' Ocean waste as a central matter of urgency, and then utilising the recycled plastics for use in industry, rail industry in particular, through the process of Pyrolysis (where much of any reclaimed plastic can be used to create materials to build with for example). In an environmentally friendly way, we could achieve better transport systems all whilst saving our Oceans and Seas from a still worsening plastic waste pandemic. Very ambitious but needed. ~ blue SEAS ~ green ACRE ~ worldwide NGO in creation!

Starting with a proposed Severn Barrage to protect vast areas of land in both England and Wales from the predicted sea level rises incoming, but also generating energy and as a Transport & Shipping hub to base the mentioned clean-up operations from, as well as connected transport and even leisure usage, as well as diverse other usages as described in our map outline, ~ blue SEAS ~ green ACRE ~ hopes to revolutionise the way in which we take care of our world, putting sustainability and the environment first. Of course this isn't an easy task but we believe that by working together such achievements can be made. With a proposed fleet of vessels ready to take the plastic waste from the water columns of our rivers, seas and oceans in advanced stages of design, MRLC's (Multi-Role Landing Class). These ships will be capable of recycling many tonnes of plastic waste each day. Scientists report that there isn't a great deal of time to act, the waters of the Severn estuary itself may well become too rough for any barrage to be built there after 2040. Time is of the essence, so let's act!



Please get in touch if you would like to know more, send email to: [blueseas.greenacre@gmail.com](mailto:blueseas.greenacre@gmail.com) ...



