



**FJORD ENGINEERING PRESENTS**



*THE SUNSHINE TRAMWAY*



THE PROPOSED DEVELOPMENT OF A TRAMWAY SYSTEM FOR EASTBOURNE



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*The Sunshine Tramway*



## ❑ Contents of this presentation:

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3. Diagrammatic of the proposed routing of *The Sunshine Tramway*.
4. The advantages of *The Sunshine Tramway* for rail travelers
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## **Slide One:**

### **The benefits of *The Sunshine Tramway*.**

*The Sunshine Tramway* is the Fjord Engineering proposal for environmentally friendly transport to Eastbourne. It will:

- Provide a Mass Rapid Transport System residents of and visitors to the town.
- Increase the potential for short journeys within the town and environs
- Reduce the number of motor vehicles on the road.
- Increase employment opportunities.
- Provide safe and affordable transportation for our elderly residents.
- Reduce the volume of "school-runs" for our younger residents.
- Significantly reduce our carbon footprint.



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## Slide Two:

### The proposed routing of *The Sunshine Tramway* for Southern Rail travelers.

- ❑ At present Eastbourne is connected by rail to Brighton to the west and Hastings in the East. To access Eastbourne Station there exists a loop line which passes Polegate on the Brighton side and Westham on the Hastings side.
- ❑ Our proposal would to simply close this loop and the Southern rail service connected between Polegate and Westham
- ❑ Passengers requiring Eastbourne could alight at either Polegate or Westham and then board *The Sunshine Tramway* that would route them directly to Langney and The Sovereign Harbour in the East outskirts of town or Willingdon and Hampden Park in the West Side; before both sides meet up at the old Eastbourne Station.
- ❑ Southern Railway would then have the option to route their trains to London on both sides of the Polegate and Westham platforms in a similar fashion to the loop line that exists on South East rail in Dover.





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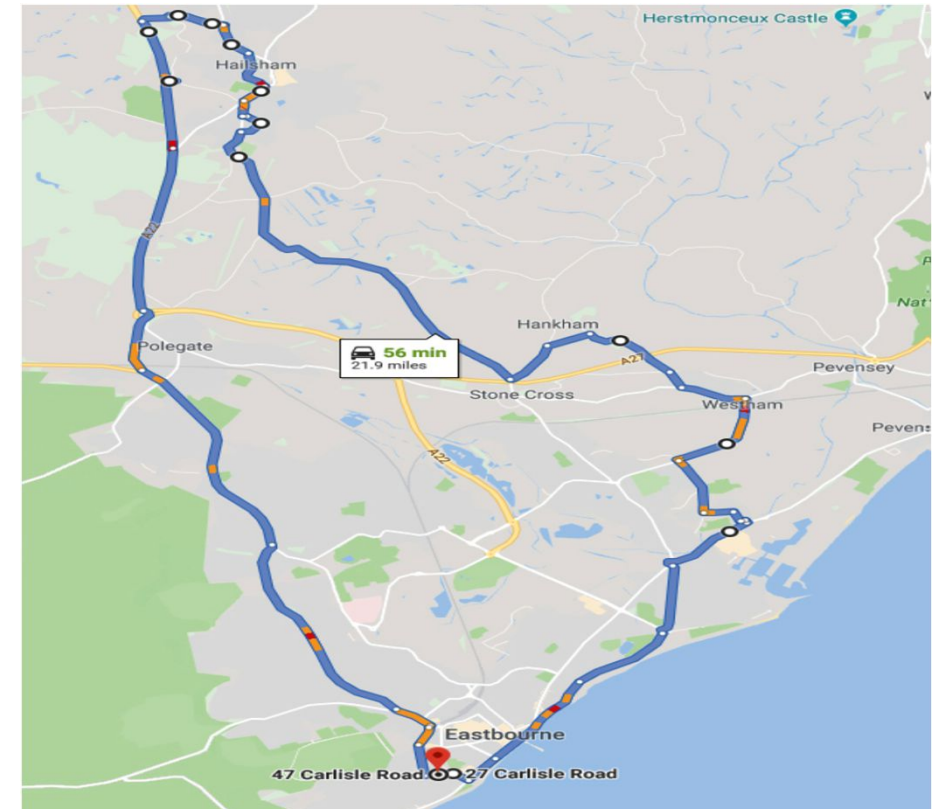
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### Slide Three:

#### Diagrammatic of the proposed routing of *The Sunshine Tramway*

- ❑ Our proposal is to create a loop with trams operating in a circular mode.
- ❑ The start point would be the Congress Theatre, then past the bandstand and the pier to the Sovereign Centre.
- ❑ Continuing on to Sovereign Harbour, past the Eastbourne Borough Football Ground, through West Ham and on to Hailsham.
- ❑ From Hailsham back to Eastbourne via Polegate and the DGH to the Congress Theatre.
- ❑ This is all subject to a successful feasibility study.





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## Slide Four:

### **The Advantages of *The Sunshine Tramway* for Southern Rail travelers.**

- ☐ *The Sunshine Tramway* would work in conjunction with Southern Rail to provide passengers a more efficient and direct service from their homes to their proposed destinations.
- ☐ Once the link between Polegate and Westham has been re-established Southern Rail would have the option of having trains run in the direction of Victoria in the West and Charing Cross in the East. By default this would double the amount of available trains to London at these two stations.
- ☐ The tram stop would be located adjacent to the existing railway stations so it would only be a short walk from the train to the tram.
- ☐ Instead of a drive or taxi to the station the passenger would take a short walk from their home to the nearest tram stop and be on his journey soon after leaving the house.



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## Slide Five:

### **The Advantages of *The Sunshine Tramway* for Residents.**

- ❑ As we have seen *The Sunshine Tramway* would give more immediate access to the Southern Rail network and would be seen as an extension of this service.
- ❑ Areas such as Langney and Sovereign Harbour would have their own tram stops giving access to this extended network.
- ❑ Restaurants and Public Houses would be much more accessible using *The Sunshine Tramway* .
- ❑ Sports facilities would also be better served by *The Sunshine Tramway*. For instance Eastbourne Borough would have its own tram stop.
- ❑ Retail parks like the Crumbles and Hampden Park would be better served by the introduction with the general public having access to a Mass Rapid Transport System.





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## Slide Six:

### Are there precedents for *The Sunshine Tramway*?

- ❑ Europe is the leading example of efficient tram networks functioning in most major cities. In most cases they work in unison with the train, bus and metro networks.
- ❑ Almost all the networks went through a period towards the end of the last millennium where upgrades to the existing facilities meant more modern trams and extended networks.
- ❑ A good example of this is the German City of Bremen that has seven lines covering over 70 miles. It is one of the few cities where there is a tram stop in the airport and all the major places of interest such as the Central Station, the Universities, the old town and the retail outlets are served.
- ❑ Bremen are quite proud of this achievement and have adopted the sobriquet "The City of the tram."







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## Slide Seven:

**Are there examples of complete new-build systems; as would be the case for *The Sunshine Tramway*?**

- ☐ Significant upgrades and upgrades have been carried out on Tram systems in Berlin, Zurich and The Hague and further afield in Saint Petersburg Russia and the largest tram network in the world in Melbourne, Australia which has over 200 miles of track.
- ☐ The building of the LUAS tram/light rail system in Dublin, Ireland commenced in 2001 and was opened for public use in 2004.
- ☐ Although the adjustment of existing facilities to accommodate the lines commenced in 2000.
- ☐ This was a complete new build and brought access of the suburbs of Tallacht and South Dublin to the City centre.
- ☐ It now boasts fifty-four tram stops and over 20 miles of track which in 2015 carried more than 34 million passengers.





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## Slide Eight:

**The examples so far have been outside the United Kingdom. Are there tram systems at home?**

- ❑ From the mid 1800's to the 1930's most major conurbations had their own tram systems which due to the advent of motorized transport these mostly died out.
- ❑ During the 1990's there was an increase in interest in Mass Rapid Transport with the advent of the Metrolink in Greater Manchester, closely followed by the Supertram in Sheffield.
- ❑ Of course, the photograph is an idealised version of the old tram system in Manchester. Today's Metrolink consists of over 57 miles of track with more than 90 tram stops.
- ❑ This makes the Manchester Metrolink the largest light rail system in the United Kingdom.
- ❑ It is operated by a fleet of Bombardier Flexity Swift M5000's.





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## Slide Nine:

### Anything similar to *The Sunshine Tramway*?

- ❑ There is the Tramlink which passes from Croydon to Wimbledon across South London and the recently completed 10 mile Edinburgh Tram. However, the Blackpool Tramway which now runs from Blackpool northwards to Fleetwood in Lancashire, which dates back to 1885, making it one of the oldest electric tramways in the world.
- ❑ It has 11 miles of track and carries over four million passengers annually.
- ❑ Although, today it operates a modern fleet with the Flexity trams, it is the only existing tramway in the United Kingdom that has a direct link its nineteenth century predecessor, with this in mind it operates a 'heritage service' using the traditional trams.
- ❑ With the exception of Hong Kong and the tram service in Alexandria Egypt it is one of the few double deck trams in the world.







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## Slide Ten

### **Some Innovations that could be included in the *The Sunshine Tramway***

- ❑ Our basic message is that Fjord Engineering would like to introduce a sustainable and environmentally friendly source of transport to Eastbourne, we also have to be aware that it is a Seaside resort and attractions would also benefit the local economy.
- ❑ For Instance, in The Hague in The Netherlands they have a Dining Car that travels the same route as the normal tram providing fine dining while enjoying the sights of the City. As shown in the Photograph.
- ❑ Other innovations could extend to having a mobile Radio Station; a "Dinky-Diner – serving All Day Breakfasts; a double decker tram as in Blackpool and a travelling Kindergarten where children can enjoy hours of fun on the tram having informal lessons about care for the environment.





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## Slide Eleven:

### **Funding and what is the next step for *The Sunshine Tramway*?**

- ☐ So far in this presentation it has been a clear indication that there are tram systems that work throughout the world carrying huge numbers. Some have experienced great difficulties in their construction, but what appears beyond doubt is that once completed they visibly refresh the town or city's transport system.
- ☐ There are many ways in which satisfactory investment can be achieved. However, at this stage we would be remiss in trying to guess which would be the best option.
- ☐ The first step would be a feasibility study which would be managed by a company familiar with transportation and management of infrastructure projects. During this study they could approach various suppliers to obtain some idea of the various costings as well as looking at routes and interfaces with other services.
- ☐ Once this has been completed we will have a clearer picture of what is required and hopefully be in a position to build *The Sunshine Tramway* which I feel will totally transform the face of transportation in Eastbourne.



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**Slide Twelve:**

**Eastbourne in 5 Years?**

