

Triplesign VMS in the future

Speaker Name

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INNOVATION AND ECO-TECHNOLOGY

TRIPLE SIGN SYSTEM AB



Our Business

Developing and producing Prismatic Variable Messaging Signs (PVMS)



Production In-house production in Vrigstad, Småland, Sweden



Markets

Europe - main areas: Great Britain, Poland, Germany, Netherlands, Norway and Alpine region

Sustainability



A sustainable VMS improves the environment & saves costs

Applications



Road bridges









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THE FUTURE OF VMS

VMS demand will increase due to:



Increased and more complex Traffic flow



Explosive increase of Traffic information

Increased demand for on-site information of Traffic Risks or Warnings



Smart Cities Sustainability Requirements



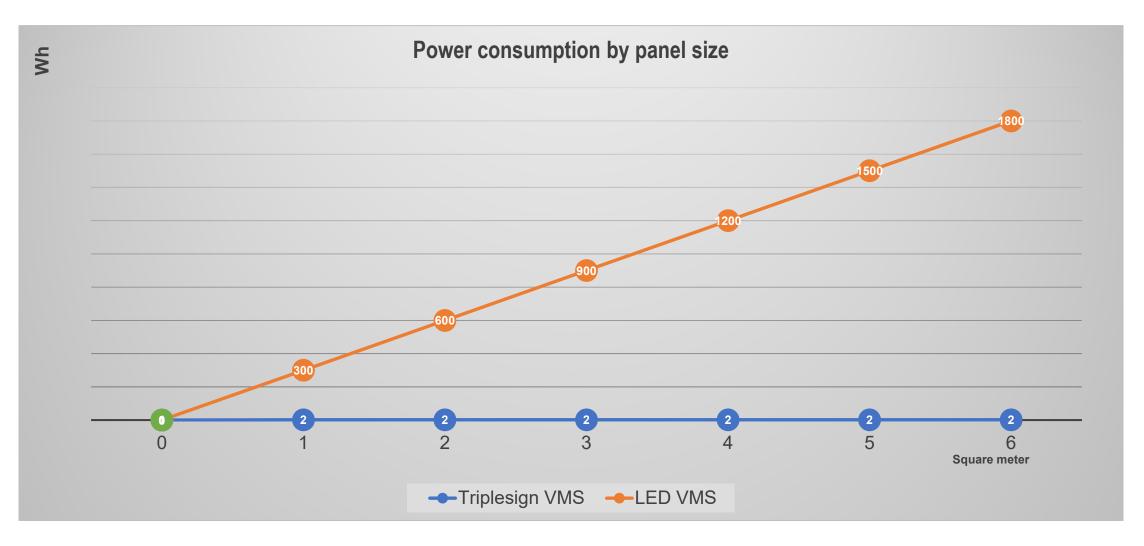


SUSTAINABLE VMS - SAVE LIVES & ENVIRONMENT-

- Efficient traffic flow reduces the carbon footprint
- No power needed to display a message
- 1,5W power consumption
- Solar power for stand alone installation
- Solar power for minimum carbon footprint
 - No heavy diesel machinery needed for cable excavation minimize the carbon footprint
 - Minimum installation time minimize traffic jams



Power consumption VMS vs. LED





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SUSTAINABLE VMS - COST BENEFITS -

- €0 for Cable Excavation
- €0 connection fee to Main Grid
- Low Installation cost a few hours rather than weeks
- Minimum impact on traffic flow due to easy and short installation period
- Very little need for expensive solutions used to re-direct the traffic during installation
- No impact by power outage. No extra UPS or static sign needed during outage
- Cost Saving up to 90% compared to LED VMS installation





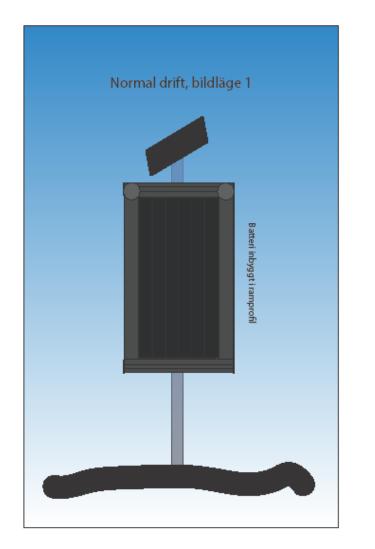
CONCLUSION

LED VMS is **not** a sustainable technology

Triplesign Solar VMS is the sustainable option

Cost Saving up to 90% compared to LED VMS installation







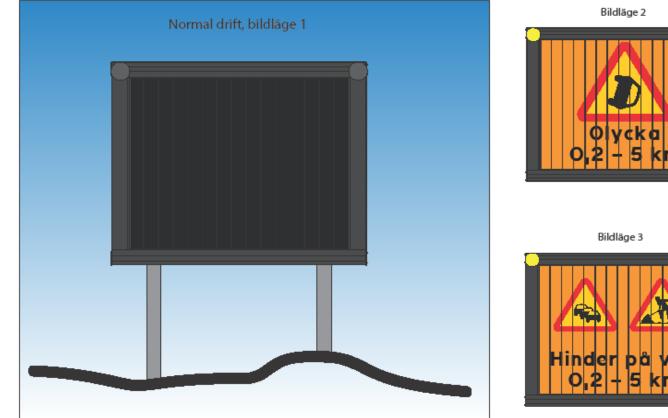
TUNG BYGGTRAFIK

Bildläge 2

Bildläge 3



VMS activated by rescue vehicle. Used for incident on road. W2X

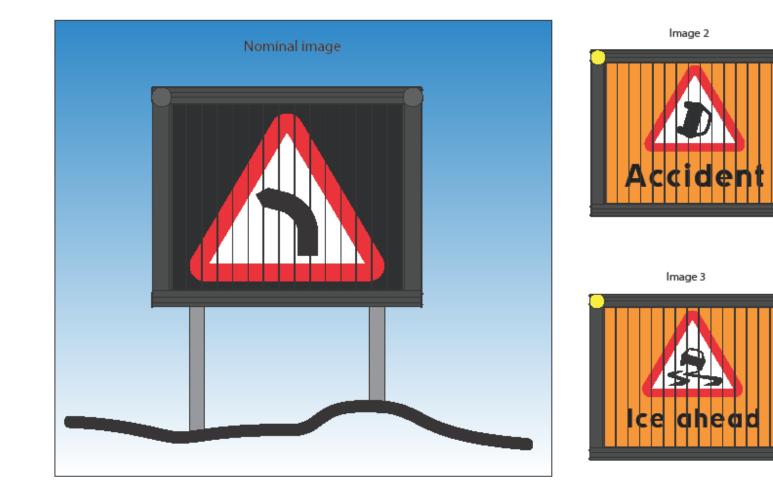








Warning sign information from traffic centre, I2X or W2X



triplesign

Congestion Staugefahr

Seite 1

Seite 2

Seite 3

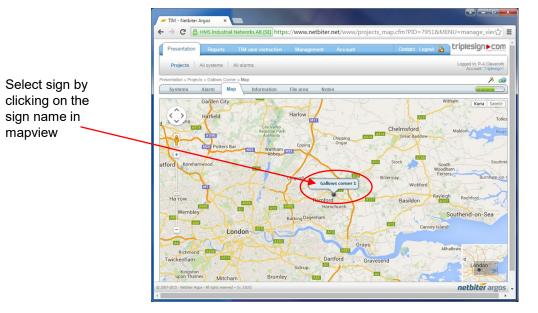






Communication

TIM, Triplesign Internet Management



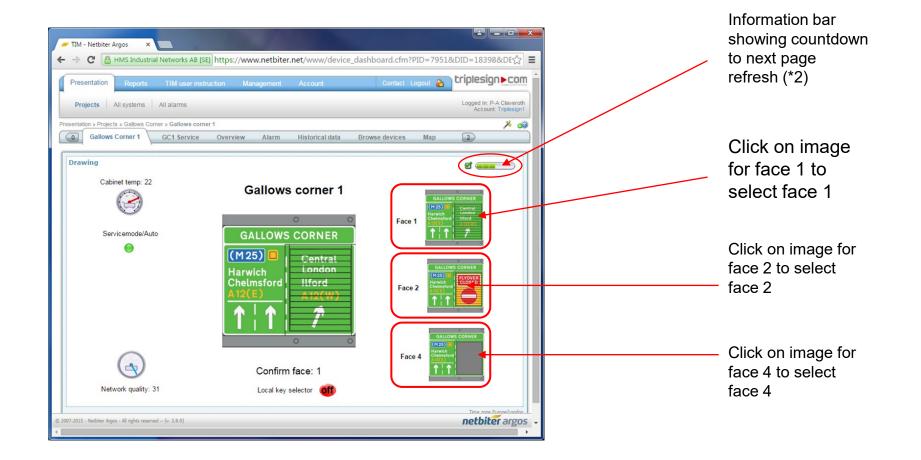
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Communication

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TIM, Triplesign Internet Management





Airports and terminals













Temporary- & road work signs







Temporary city zones





TMA Vehicle VMS









More applications

- Warning blasting in progress
- Traffic re-directions
- Warning for trolley
- Warning school children, visually impaired and other handicaps
- · Bei Nasse lower speed by rain, Standard in German highways
- Warning for heavy vehicles
- Re-direction of traffic in case of bridge open
- Extra lane at peak traffic. Lane closure sign. GB/Holland
- Re-direction of traffic based on traffic flow
- Road closed due to snow blocked, risk of avalanche,
- Sign warning for deer/elk etc. activated by animal near the road
- Warning the vehicle exceeds maximum height of the tunnel
- warning of high water flows
- There is a lot of on/off applications

