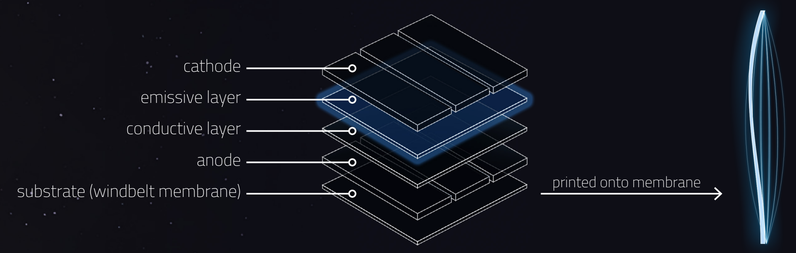
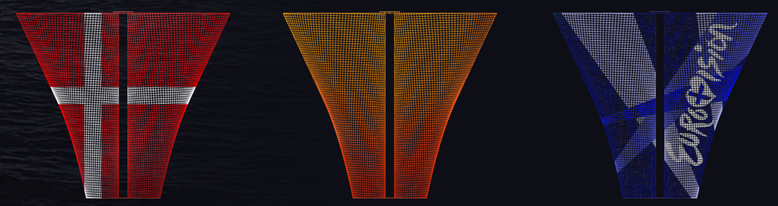
an illuminated icon

As night falls, SAIL produces a bright, fluctuating nighttime spectacle on the Copenhagen skyline. Each Windbelt membrane on SAIL is coated with a thin OLED layer that glows when the membrane oscillates in response to the wind. OLEDs (organic light-emitting diodes that emit light in response to an electric current) can be printed onto flexible and transparent substrates, making the membrane of the Windbelt an ideal surface. The OLEDs fluctuate in brightness depending on how much power is being generated by each individual membrane, resulting in a shimmering light display that reflects how much power is being produced by the entire structure in real-time.



programmable luminescence

SAIL's luminous Windbelt membranes can be programmed to playfully celebrate significant cultural occasions, civic holidays, and important events. Through this mechanism, SAIL becomes more than just an art installation for Refshaleøen, but an icon for the entire city of Copenhagen.



valdemar's day | st. john's eve | eurovision 2014