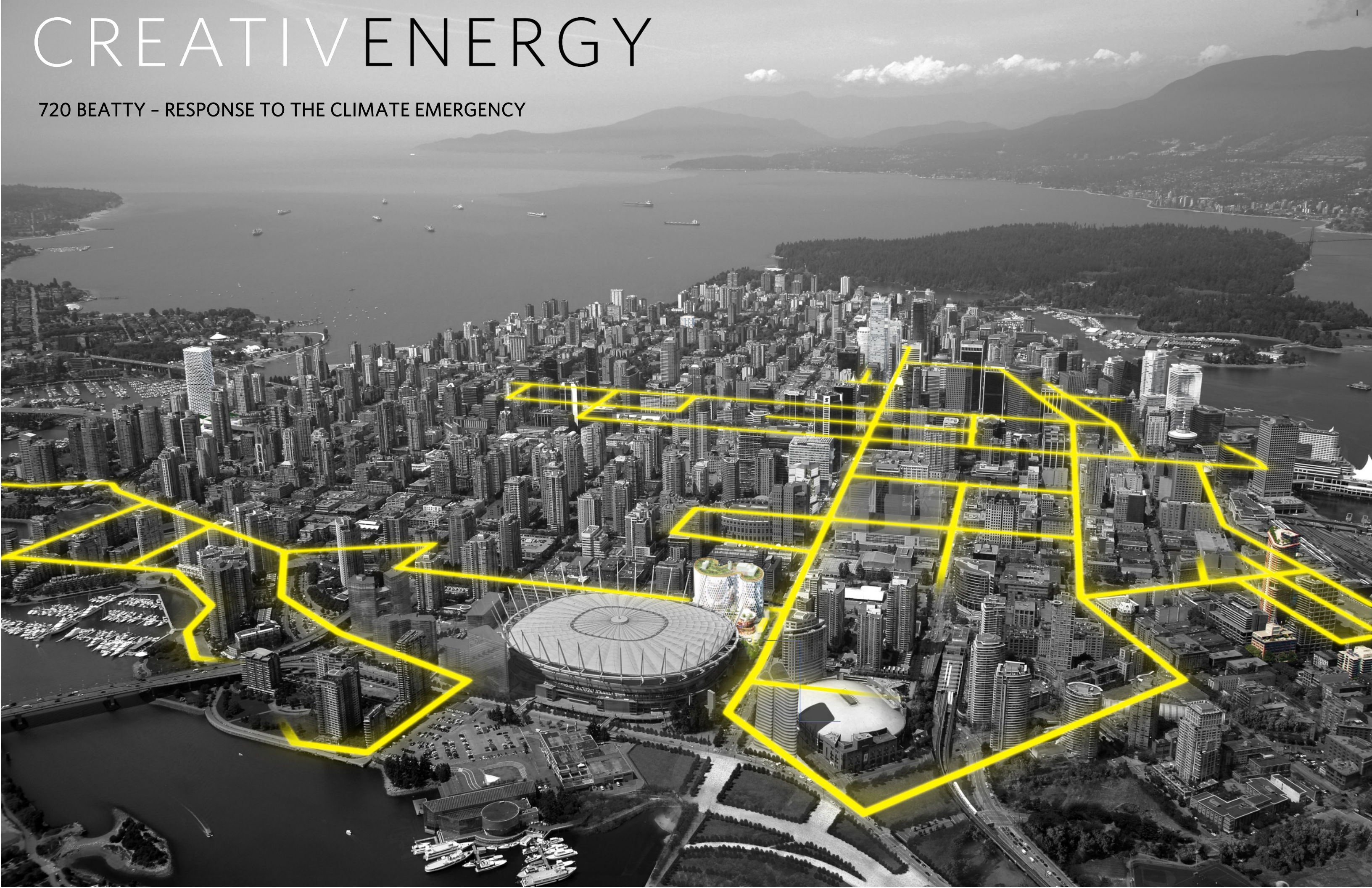
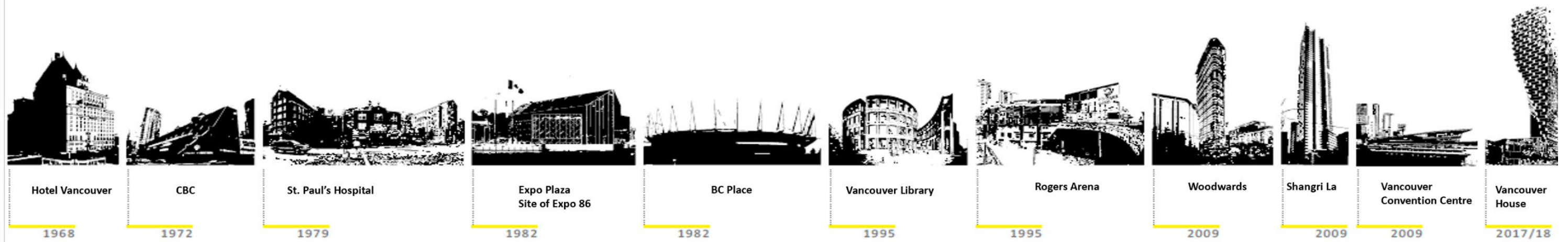


CREATIVENERGY

720 BEATTY - RESPONSE TO THE CLIMATE EMERGENCY



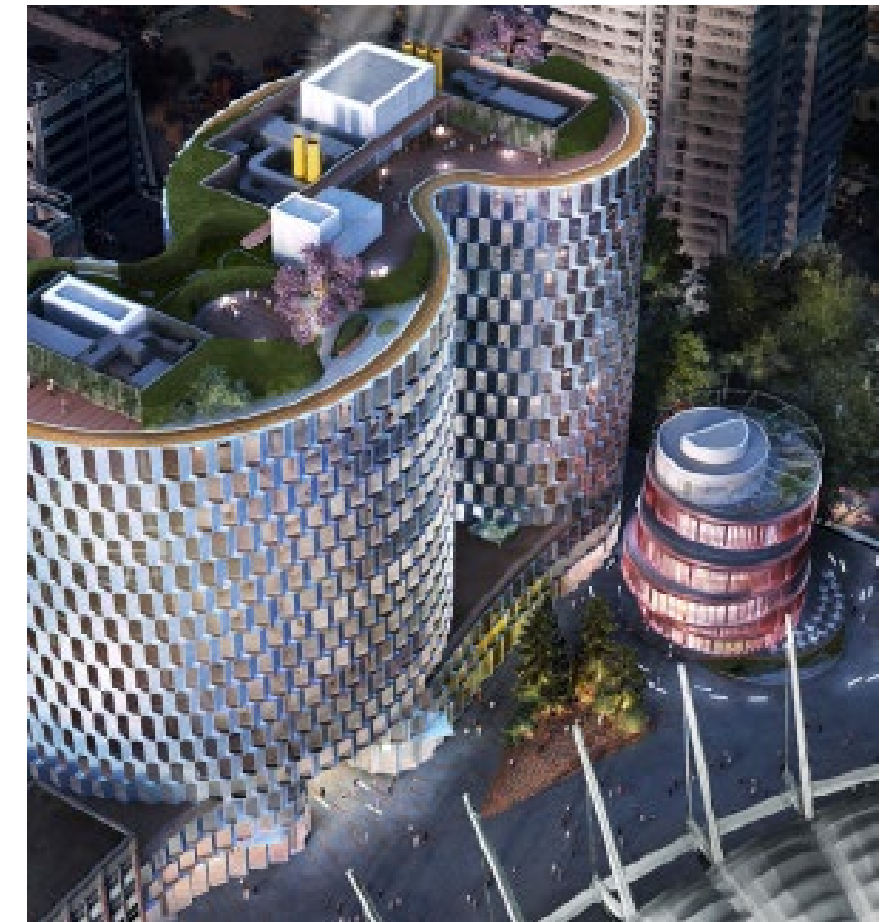
CREATIVE ENERGY'S HISTORY



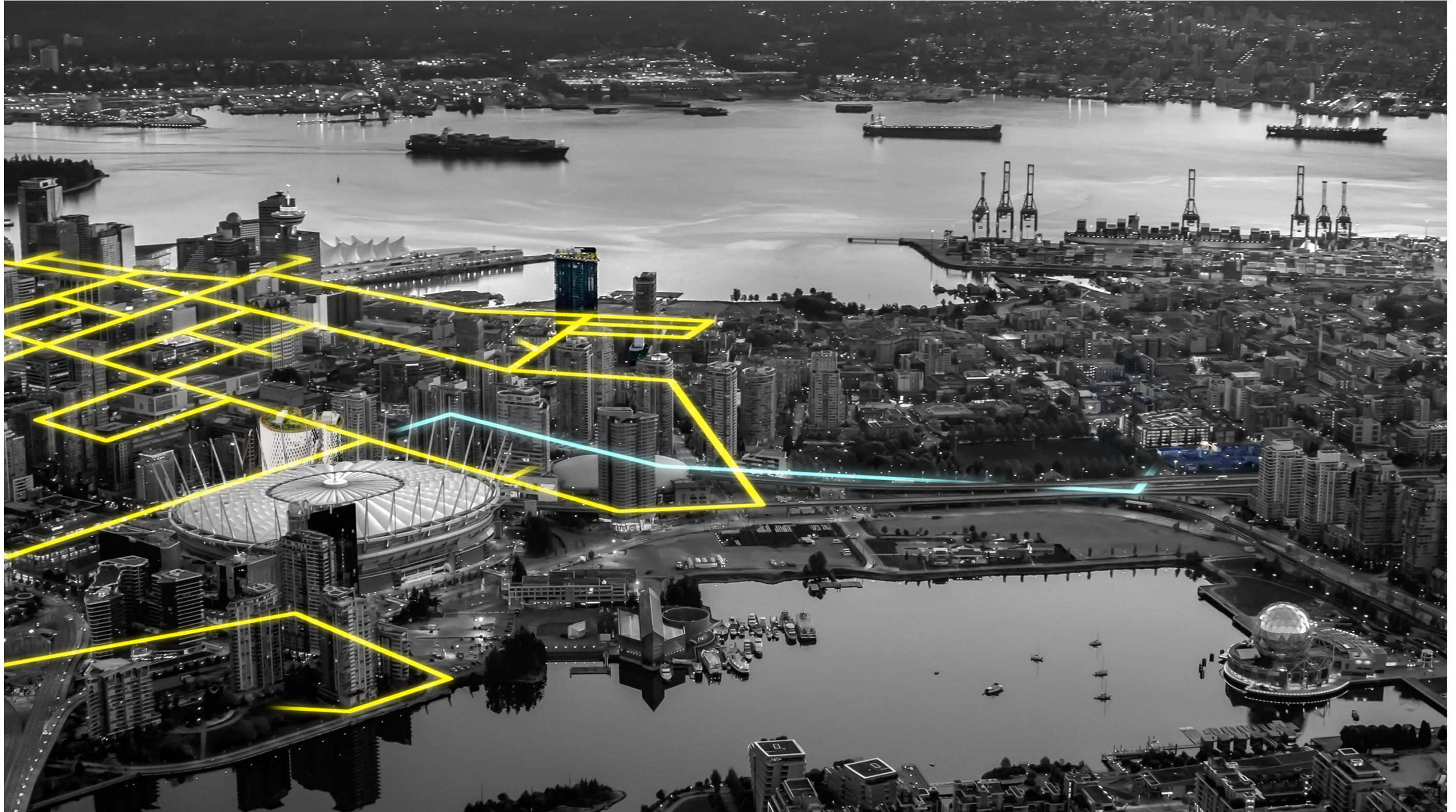
Creative Energy developed the city's first district energy system to replace hundreds of building-level oil and coal furnaces

Over 50 years, Creative Energy's system grew to service 215 buildings and avoid over 600 individual chimney stacks

Now, Creative Energy's plant is again innovating for the future, only this time by harnessing BC's clean hydro-power to electrify our steam and hot water generation



ELECTRIC STEAM PLANT



OUTCOMES

1. Renewable Energy for Downtown

The electric steam plant will affordably meet the zero-carbon energy needs of ~25M ft² of development

Avoids 50,000tonnes CO_{2e} per year (1.5 MTonnes CO_{2e} over 30 years)

2. Energy Security

A second steam plant ensure uninterrupted supply of affordable energy to downtown Vancouver for decades to come.

3. Efficiency, Air Quality and Reduced Fuel Consumption

High-efficiency boilers will minimize the use of natural gas and improve local air quality when natural gas is used for peaking

4. Reduced Water Consumption

Rainwater harvesting system will collect over 7M litres per year of rainwater, reducing demand on regional water supply and treatment infrastructure