

PRESENTATION CONTENTS

Introduction

Introduction on the South Landing Development

Building

Design process and features of the Catalyst building

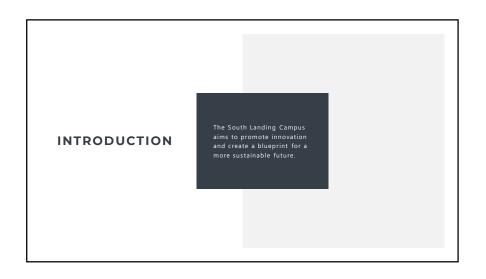
Plant

The EcoDistrict, a smart, machine learning District Energy System

Utility

Optimizing grid utilization and addressing peak load conditions.









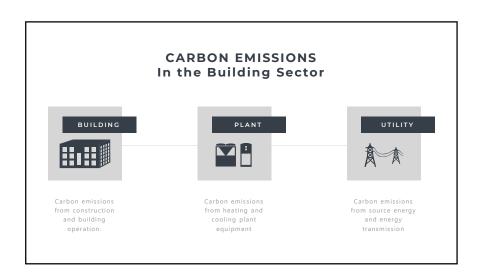
The Catalyst and HUB will be the first two buildings in a planned development to expand and create more spaces to innovate the future.

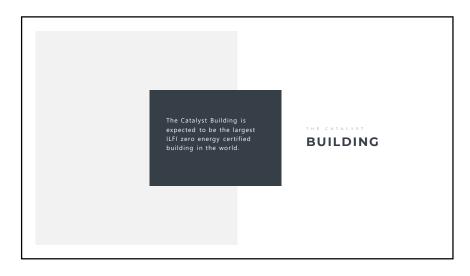
SOUTH LANDING



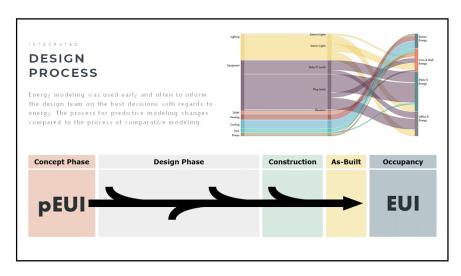
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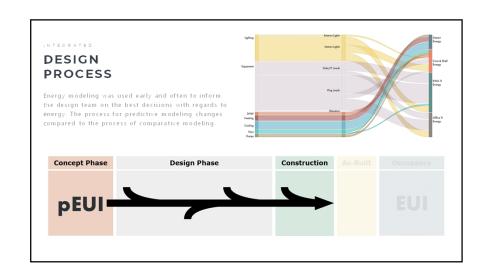
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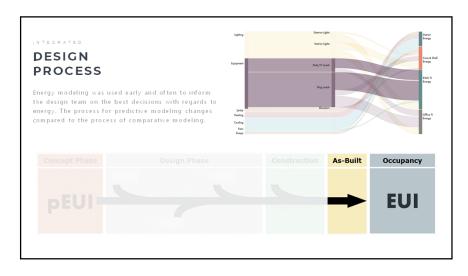




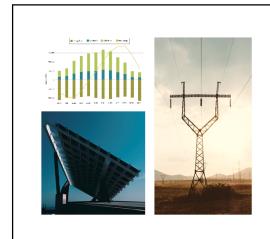












RENEWABLE ENERGY

Buildings like the Catalyst want to be net zero, but due to the building size relative to available site area, there is no technical way to develop enough on-site renewable to get to zero energy.

The International Living Future Institute has provided an offsite renewable exception for projects like the Catalyst. This exception comes with conditions to provide eligibility to best in class projects.

The EcoDistrict is a district energy plant serving the South Landing campus. It is a machine learning plant that uses forecasted weather data and building level load trends to optimize the efficiency of heating, cooling, and thermal storage/sharing equipment.



