

THE FUTURE OF CHARGING STATIONS



COMMUNITY INVESTMENT IS OUR MOST RENEWABLE RESOURCE

VISION

We're Changing the Way the World
Thinks About EV Charging Stations

EVi66 is the midwest's flagship operation of electric vehicle charging stations working towards an expeditious and effortless rollout of EV Charging Stations throughout Illinois.

We are revolutionizing the global perspective on electric vehicle charging stations, making them convenient and accessible for all. By empowering people with clean energy technology, we can reduce our dependency on fossil fuels while creating a greener tomorrow!



Phase I - Recommendations

Creating A World-class EV Charging, Sports and Entertainment Campus



PHASE I

PLANNING AND DESIGN

- Strategy & Consulting
- Network
- Rypplzz Tech Platform
- Mobile App & Digital Soul
- Overall monetization opportunities
- Place initial Network Equipment orders
- Sign up Naming Rights Sponsor
- Sign up local content Sponsors (e.g., AU, museums)

PHASE I

INITIAL DEPLOYMENT

- Implement Wi-Fi 6, DAS, CBRS Private LTE & 5G
- Implement Rypplzz Antennas
- Implement Campus lighting solution
- Place LED, Kiosk Orders
- Implement Mobile App V.1.0
- Sign up initial Sponsors

PHASE I EV Charging

COMMS & DIGITAL MEDIA

- Deploy Displays and Kiosks
 - Locations
- Sign up local advertisers and programmatic SSPs/DSPs
- Expansion of existing Advertising and Sponsorship Network
- Expansion of Mobile App capabilities to V.2.0

PHASE I – Options

RECOMMENDATIONS

- Cantina Concept
- Welcome Center
- Digital Billboard

Digital Agency of Record

The Creation of a Shared User Experience

OUR MEDIUM

Whatever your project needs! Our designers and developers are experts in creating solutions for media of all sizes—from the phone in your pocket to the landscape of an entire store or arena.

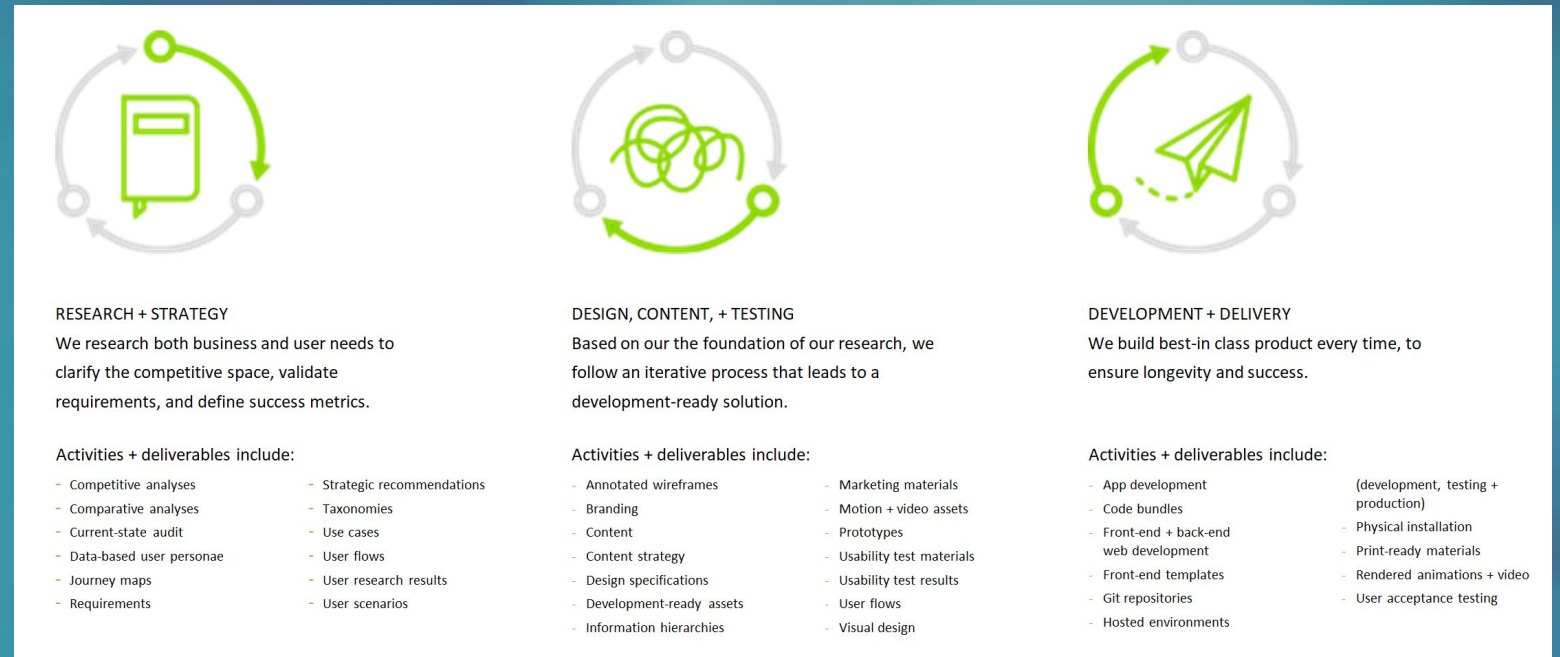
OUR TOOLS

First and foremost, we identify the best solution for your needs—never just some off-the-shelf product because it's easier or makes margin. We'll work with you and your users to figure out what you need and how best to make that happen. And we'll all have fun doing it.

OUR CAPABILITIES

Strategy, branding, user-experience design, content strategy and storytelling, motion and 3D graphics, custom development. In short, all the things an experience network needs to succeed.

Interactive Design Process



Our design-thinking approach identifies the sweet spot between business needs, technical requirements, and user insights. And our custom design and development experts create those unique experiences for users and customers across the proposed TCC platform solution.

Dispenser / Power Cabinet (350kW)



Input	200 – 920 Vdc, Max 500A 277 Vac, 15A
Output	200-920 Vdc, Max 500A
Dimension	550W * 650D * 2200H (mm)
Max Power	350kW (for CCS) 100kW (for CHAdeMO)

Phase I - Recommendations

Dispenser / Power Cabinet (350kW)



Input	3Phase 4Wire AC 380 ~ 480V
Dimension	1066W * 748D * 2118H (mm)
Max Power	175kW

Phase I - Recommendations



 Signet Ultra Fast Chargers installed at Electrify America sites



 Signet Ultra Fast Chargers installed at EVgo sites



 Signet 50kW Fast Chargers at 'NISSAN America'



 Signet 20kW Fast Chargers at 'KIA Europe'

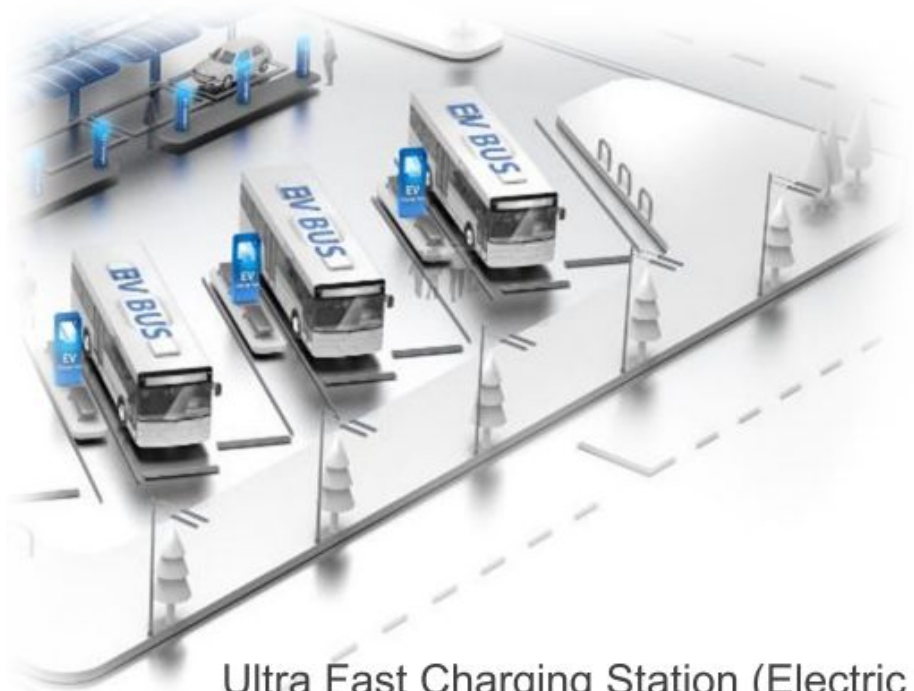


 Signet 50kW Fast Chargers at Google



Signet 100kW Fast Chargers in Japan

Phase I - Recommendations



Ultra Fast Charging Station (Electric Bus)



Multi Dispenser Fast Charging Station

Photos of Actual Site



Dispenser + Power Cabinet

Photos of Actual Site



Dispenser + Power Cabinet

Phase I - Recommendations



Fast Charging Station (Gas Station)



Ultra Fast Charging Station (EV Hub)

Photos of Actual Site

Standalone / All-In-One



Photos of Actual Site

Dispenser + Power Cabinet



Low / High Voltage Charging



350kW (Low Voltage)



350kW (High Voltage)

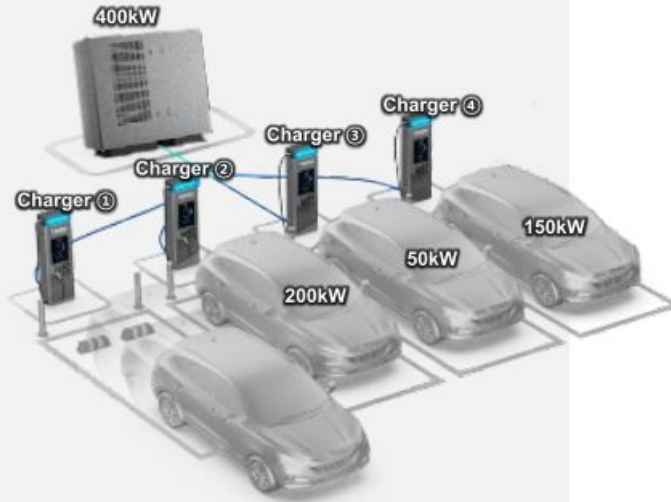
- SK signet chargers are capable of charging both Low and High voltage EVs (Passenger vehicles, high-end sports EVs, fleet trucks, electric buses, etc)

Phase I - Recommendations

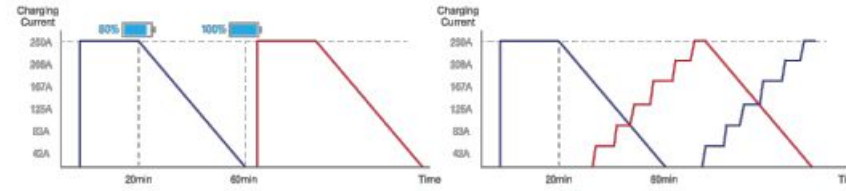
Active Power Sharing

SK signet's proprietary technology

- Flexible allocation of modules according to SOC by 25kW
- Advanced technology compared to competitors (Flexibly change output of each chargers)



Efficient Use of Limited Power



Example Scenario

- C^① : 350kW(25kW*14M)
- C^② : 50kW(25kW*2M)

Charger 1 Session Ends (350kW)
Charger 3 & 4 Session Starts



- C^② : 50kW → 200kW
(25kW*2M → 8M)
- C^③ : 150kW(25kW*6M)
- C^④ : 50kW(25kW*2M)

Charger 2 Session Ends (200kW)
Power Distributed to Charger 3 & 4

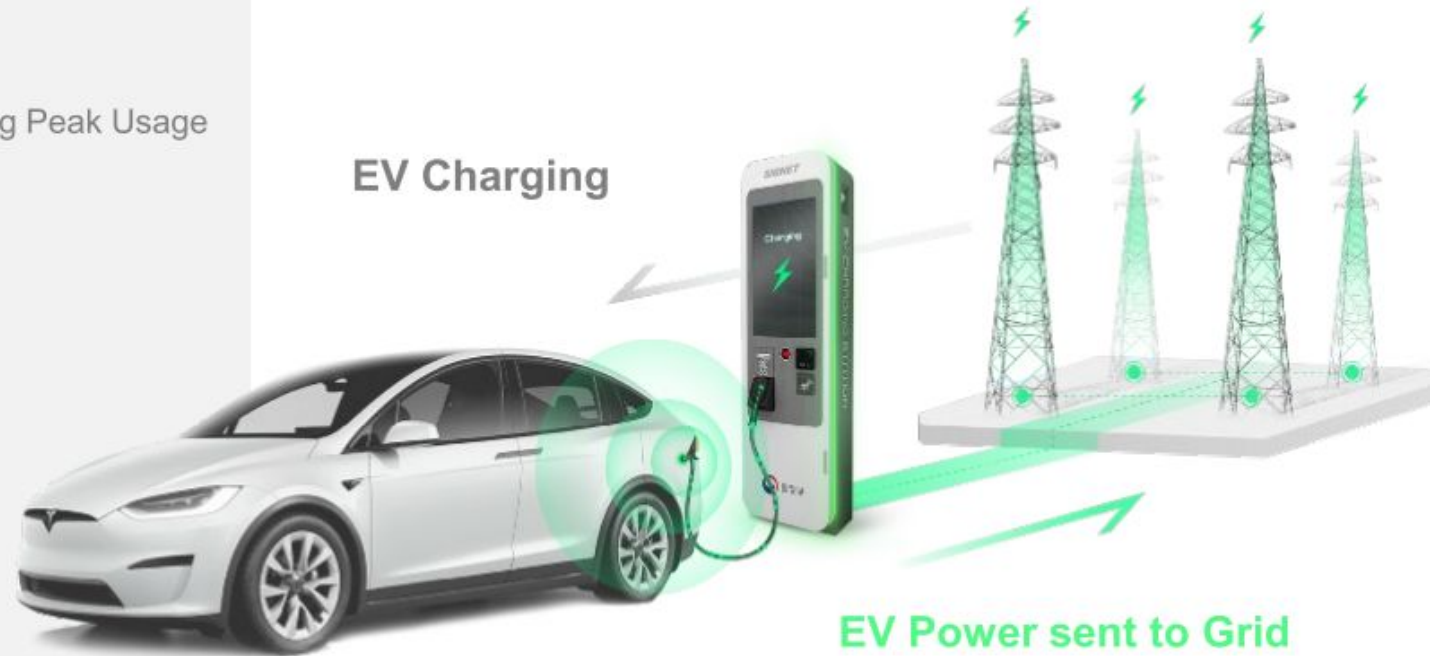


- C^③ : 150kW → 200kW
(25kW*6M → 8M)
- C^④ : 50kW → 200kW
(25kW*2M → 8M)

Vehicle to Grid

Business Model for EV Owners (At Home or Work)

- Charge EV during Low Usage (Low Electricity Price)
- Send/Sell Electricity to Grid during Peak Usage (High Electricity Price)



V2G(Vehicle to Grid)



Electric Motorcycle Project

Features

- Swappable Battery for Electric Motorcycles (2 Wheel & 4 Wheel)
- BSS system between Charging Station & Monitoring Service
- Real-time OS implemented via Web and App



Mobile App Service Support

Phase I - Recommendations

BSS

(BSS: Battery Swapping Station)

BSS

BATTERY PACK

Input/Output

220V/60Hz, 6.4KW, 220V/30A

96V [48V30Ah x 2ea]

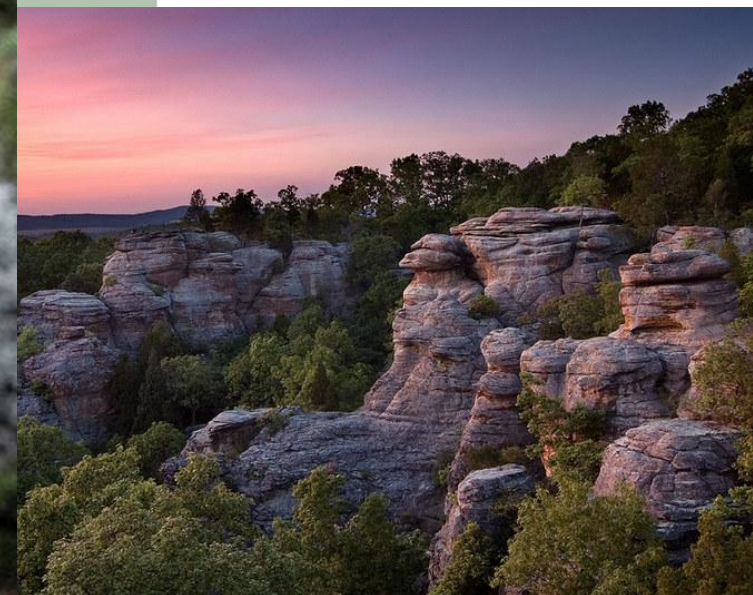
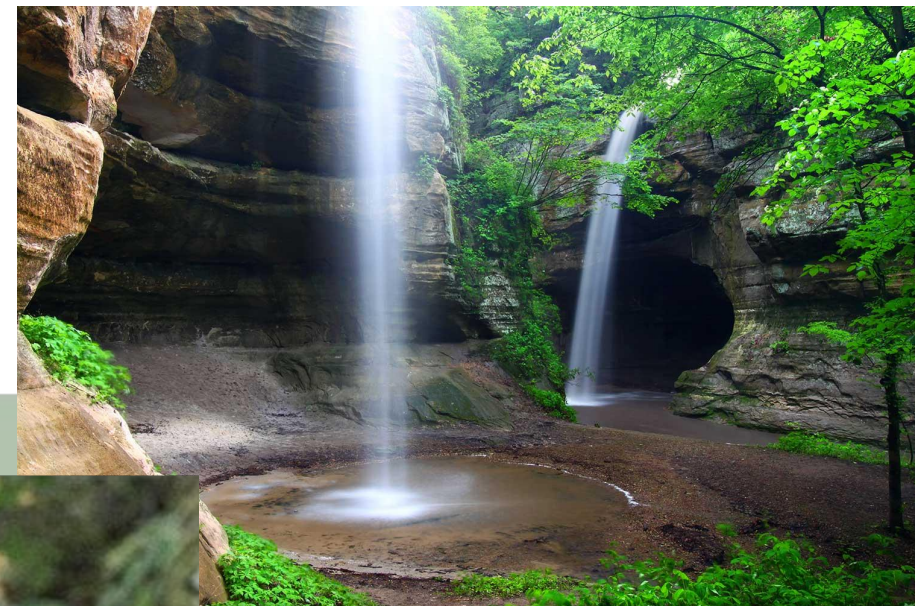
Height

1780mm

310mm

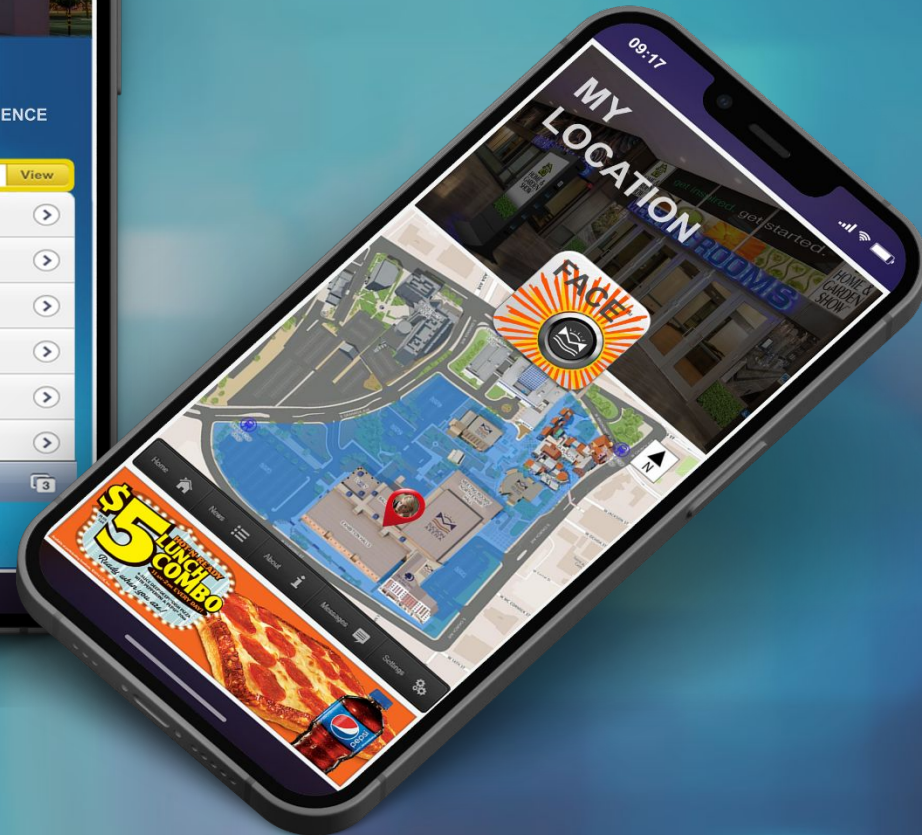
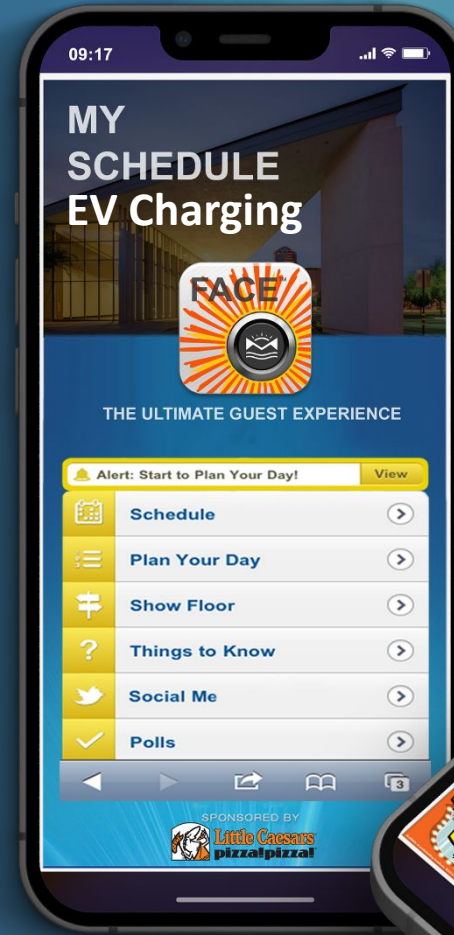
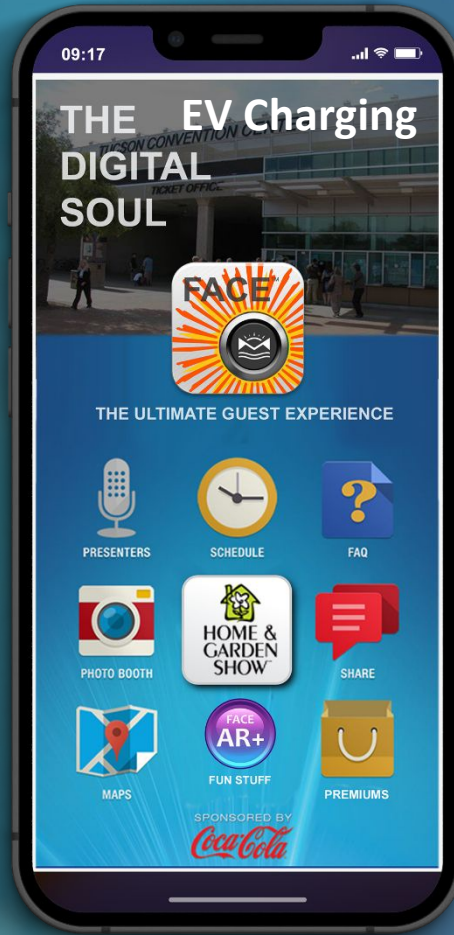
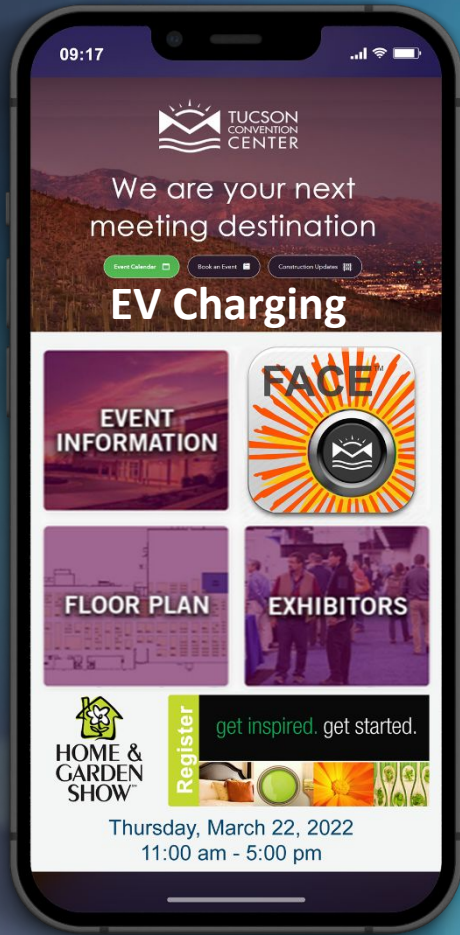


TRIP INSPIRATION



The Mobile Journey

Intuitive Mobility Solution



Your customers are increasingly becoming mobile-first, with a telling 37% of Americans going online using only their smartphone.

Phase I – Media Asset Development

Building The Foundation of the TCC Media Platform



Digital Displays Ui / UX



Wi-Fi Network



Digital Soul App



A Branded Experience Network Solution.

The Mobile App

Access, Information, Security, Wayfinding

InterLife™ by RYPPLZZ can map and translate these digital assets onto:

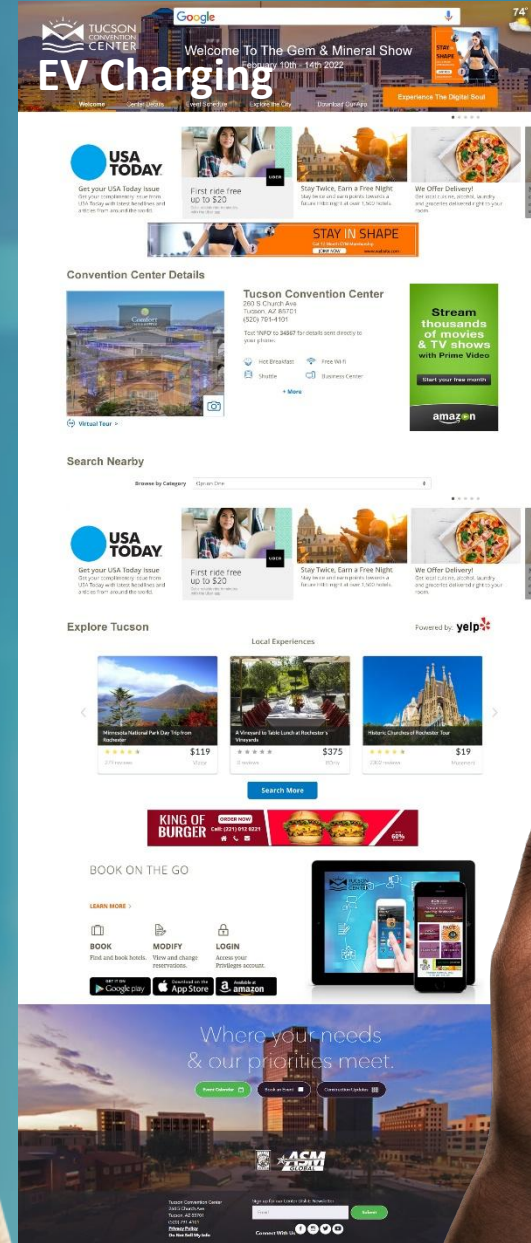
- physical locations
- physical assets
- physical topologies
- physical end-points



EVI66
CHARGING STATIONS

Wi-Fi Active Portal Template

A Reactive Website Portal – Web, Smartphone & Desktop UI



Your customers are increasingly becoming mobile-first, with a telling 37% of Americans going online using only their smartphone.

Naming Rights & Sponsorship Engagement

Corporate Branding & Marketing Partner Network



Naming Rights

Sponsors

Advertisers

We know naming rights are an instrumental way for brands to intersect emotionally with their target audience's passions. Additionally, they provide venues and properties with the ability to generate revenue over a length of time.

We will work directly with your entire team and our **KLArity Ecosystem Partners** to craft the best possible solutions for TCC and the entire portfolio of venues on campus. This process will include discovery, brand identification, thought leadership, sales/activation and deployment.

Exclusive Digital Media Agency

We believe that the campus has multiple naming rights opportunities that can be cultivated immediately.

We have identified exclusive rights opportunities, as well as zone-related opportunities for the campus that will be valuable to sponsorship partners.

PHASE I | COMMUNICATIONS AND DIGITAL MEDIA DEPLOYMENT

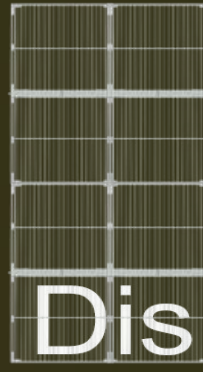


PHASE I | LED DEPLOYMENT STRATEGY

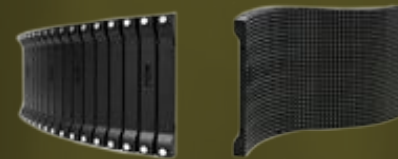
SkyPanel Series LED



Transparent Wall Series LED



Ribbon Series LED



LED Displays

A Food & Beverage Facility Concept

A Managed & Rental Partnership



The Mi Casa Cantina Concept

Food & Beverage Rental Facility



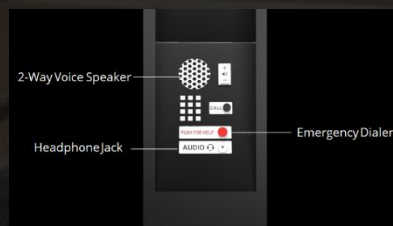
System Components



The Accessory Column

On the edge of the whole structure stands the Accessory Column – a space where ADA-compliant Human Interface Devices, like speakers or hardware navigation buttons, and/or emergency response peripherals are integrated with SmartPoint.IO.

Water-tight I/O provides access to the edge-compute, power, and connectivity devices within the Electronics Chassis.



Accessory Column

Comms Cap

Comms Cap

Atop SmartPoint.IO sits a housing for outdoor-rated devices like wireless access points, small cells, radios, cameras, and environmental sensors.

The enclosure's water-tight I/O provides access to the edge-compute, power, and connectivity devices within the Electronics Chassis.

Interactive HUB

Digital Communication Hub & Hotspot



Round LED Media Column

Content and Information Solution

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SERVICE DRIVE
NO ACCESS



Gateways

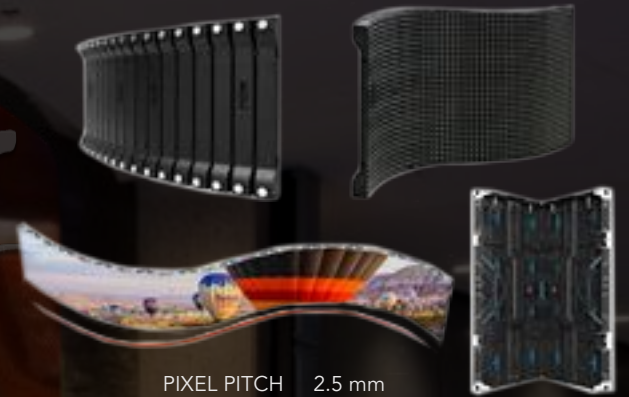
LED Curved Display

Phase – One Entrance Display
Option – Second Entrance Display



Interior Ribbon Series LED Display

The Ribbon Series LED product specifications.



PIXEL PITCH	2.5 mm
BRIGHTNESS	500-1,200 nits
VIEWING ANGLE	160°
REFRESH RATE	1920-3,840 Hz
WARRANTY	2 Years
LIFETIME	100,000 Hr
LED OPTIONS	Nationstar
IP RATE	IP30
CABINET SIZE	600 x 337.5 x 58 mm
SERVICE	Front

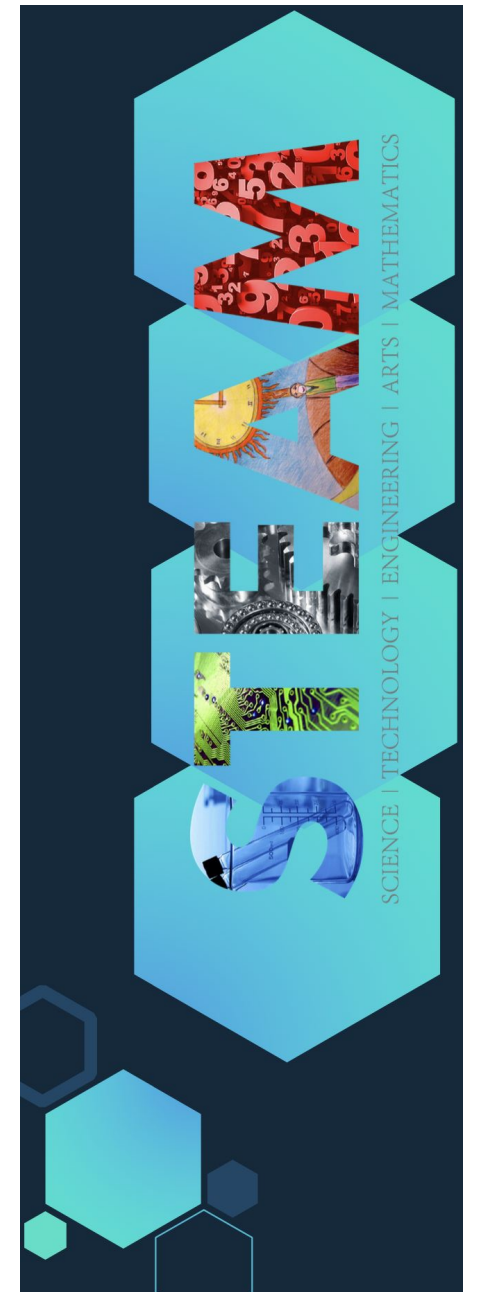
Phase I – 1 Arena Lobby Display

Display Size	30.3" x 5.8'
Sq Ft	176 sq ft
Installation	Included
Software & SkyControl	Included

Feuling the Next Generation with **STEM** Education

EVi66 is currently leading the “charge” locally in Illinois with a mission to make EV Stations accessible by bringing sustainable energy solutions to our state.

By partnering with community-based nonprofits, we are initiating local environmental justice, EV installation planning, and **STEM** programming for all ages in partnership with local educational institutions. Our goal? To promote solutions and repivot the effects of climate change in our communities.

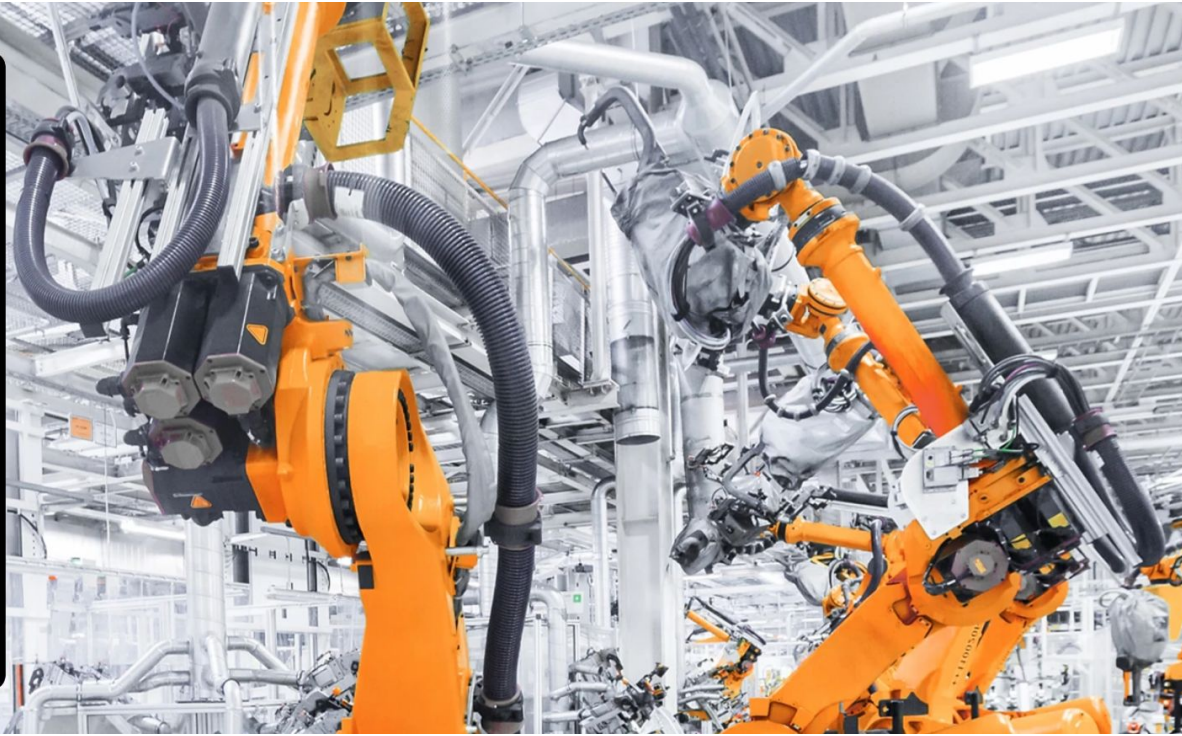


A Different Approach, Using a New Method of Manufacturing.

As technology continues to progress, we can look forward to an ever-strengthening economic foundation. Through the implementation of cutting-edge manufacturing techniques and workforce processes, our economy is progressing towards a brighter future full of increased efficiency and productivity in Illinois.

Advancing technology has been a major driver of economic stability and growth in Illinois manufacturing. As development accelerates, so does its capacity for efficiency and productivity.

COMING 2025




What is the best definition of **Workforce Development**

Workforce development from the organizational centric perspective is defined as training programs that provide existing and potential workers with the skills to complete tasks needed by employers to let the organizations stay competitive in a global marketplace

EVi66 workforce performance division will implement digitize integration and tracking. Delivering the widest range of individual training utilizing the most advanced automated learning tools.

Our subject matter experts in areas of curriculum development and student instruction believe in free sharing of information to establish transparent partnerships, while striking the right balance of technical, practical and personal performance delivery and onboarding for local community resident career pathway creation



Career Exposure and Opportunity
Identification

Pathway Acclimation and
Understanding

Skill Development and
Training Design

Performance Delivery
Position Onboarding

Career Sustainability

Each NEW ROUTE

Highway Oasis” presents a multitude of workforce development opportunities in retail, restaurants and quick-serve establishments. Providing a wide range of potential employment in several areas from entry-level to franchise ownership.



[E2 \(Environmental Entrepreneurs\)](#) is a national, nonpartisan group of business leaders, investors, and professionals from every sector of the economy who advocate for smart policies that are good for the economy and good for the environment

In Illinois there are several layers to certification for various sustainable and renewable energy workers held by IL Commerce Commission for Electronic Vehicle Installers EV 469 Certifications

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