CCL Design

San Luis Potosí, Mexico

CCL Industries Overview

Established
1951

Corporate Offices
Toronto, Canada & Framingham, USA

Annual Revenue
CDN $7.2 Billion (2024)

No. of Employees
26,000+

Locations
200+

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CCL Design Industry Overview

Electronics

Automotive

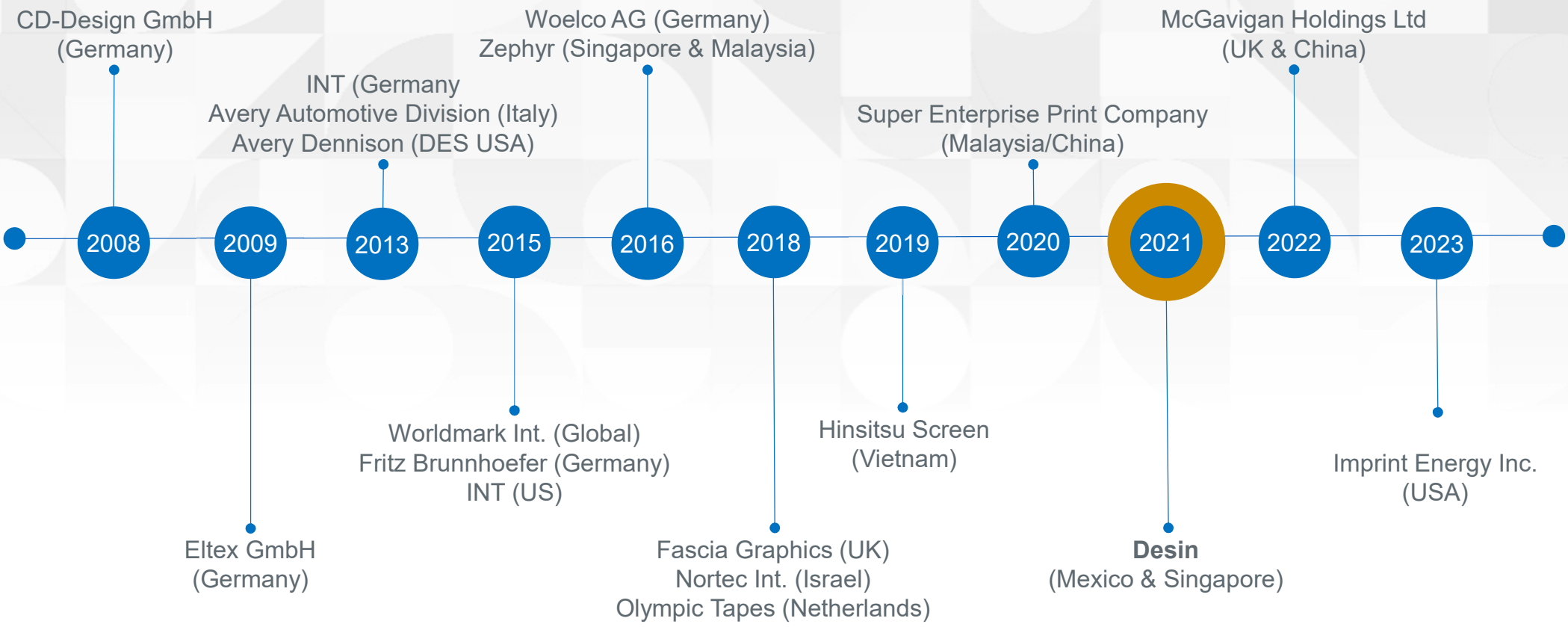
Industrial

Medical

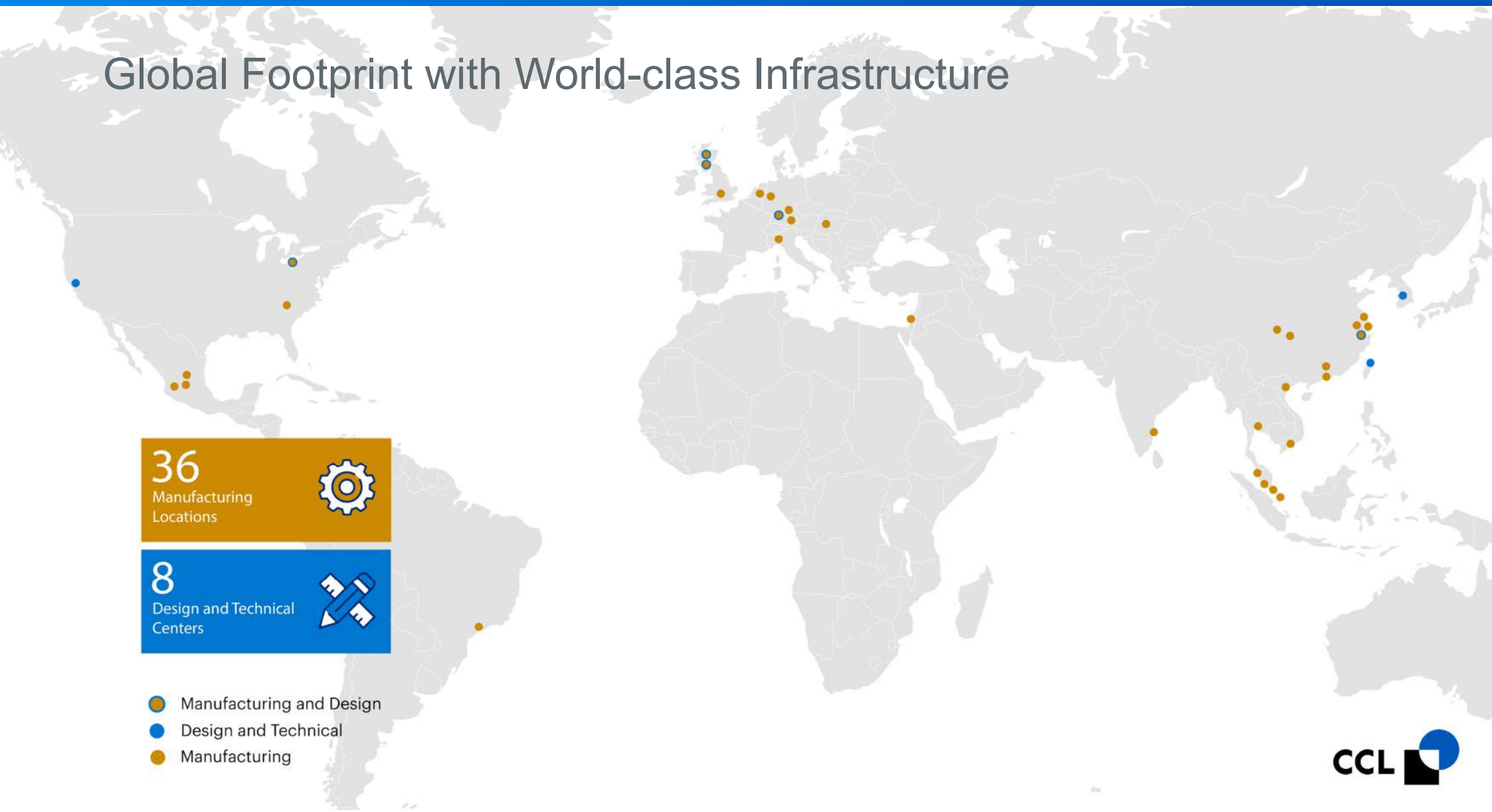
Highly Engineered Design Solutions

- Trusted global partner to world's largest brands from design to manufacture
- Highly vertically integrated business underpinned by materials science and chemistry
- In house coating and materials capabilities enables highly customized products
- Growth strategy driven by new products to existing and new customers
- Growth also supported by investments in smart capabilities

CCL Design Expansion



Global Footprint with World-class Infrastructure



San Luis Potosi, Mexico

INDUSTRIAL APPLIANCES MEDTECH

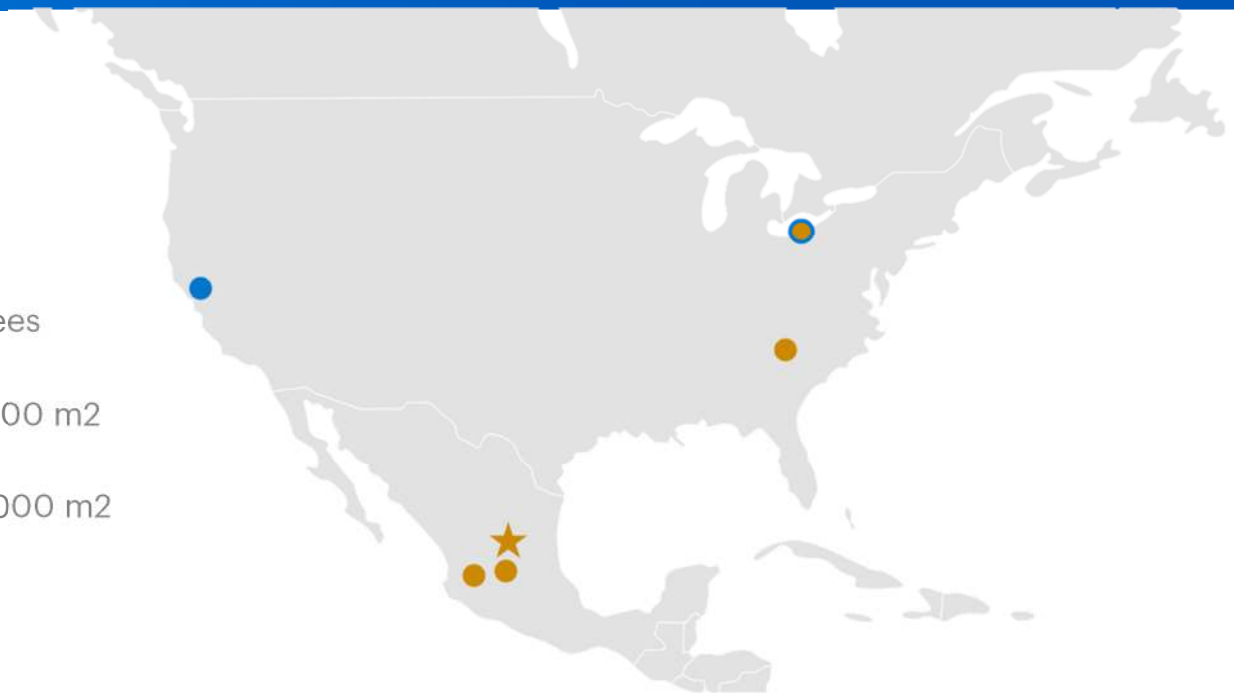
495 employees

Building: 6,000 m2

Property: 11,000 m2

Certifications

- ISO 9001
- ISO 13485
- OEA

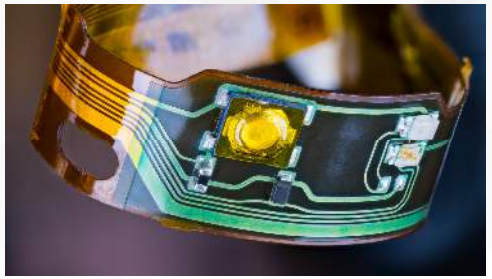


Site Capabilities

- **Screen printing (solvent & UV)**
- **Injection molding & IML**
- **Die cutting**
- Thermoforming
- SMT
- Hard coating
- Embossing
- Laser cutting
- Laminating
- Sheeting & slitting
- Assembly & electronic assemblies
- Medical grade clean room
- On site laboratory testing

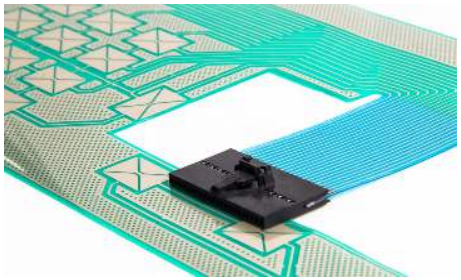
San Luis Potosí Manufacturing Capabilities

- Base Solvent Screen Printing
- UV Screen Printing
- Hard Coating
- Injection Molding (IML)
- Thermoforming
- Embossing
- Surface-Mount Technology (SMT)
- Die-Cutting & Laser Cutting
- Laminating
- Assembly & Automation



Key Products

- Graphic Overlays
- Membrane Switches
- Printed Electronics
- Capacitive Touch UI
- IML
- Electro-Mechanical Assemblies



Screen Printing

Equipped with flatbed and roll-to-roll systems, designed for high-volume production and precision printing on a wide range of materials. With automated feeders and advanced drying systems, we ensure consistent quality and efficiency across every job.

Core Equipment & Features

Flatbed Screen Printers

Flatbed Screen Printer with Auto Feeder & Roll-to-Roll Capability

Auto Feeders

Semi-Automatic Feeders

Curing Units with dual capability for versatile ink systems

Batch Dryer

Ink Systems & Color Matching

UV-Based Inks:
Fast curing, durable, and ideal for high-speed production.

Solvent-Based Inks:
Excellent adhesion and flexibility for specialty applications.

Color Matching Capabilities:
We match any color system, including Pantone, RAL, and custom palettes.

Material Compatibility

Polyester (PET):
Flexible, durable, and ideal for overlays and labels.

Polycarbonate (PC):
High-impact resistance and clarity for control panels and displays.

PMMA (Acrylic):
Excellent optical properties and surface finish for signage and decorative elements.

Advantages

High Throughput: Multiple printers and feeders for simultaneous jobs and reduced lead times.
Precision & Consistency: Automated systems ensure uniform quality across large runs.
Material Versatility:
Supports a wide range of substrates for industrial and consumer applications.
Integrated Workflow:
Seamlessly connects with our electronic assembly, decoration, and clean room processes.

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Injecting Molding

Our injection molding department is equipped to handle a wide range of thermoplastic materials and part complexities. With a focus on mid-range lifespan electronics and medical applications, we deliver precision-molded components with integrated decoration and labeling options.

Capabilities

Wide range of thermoplastic materials and part complexities.

Focus on mid-range lifespan electronics and medical applications.

Deliver precision-molded components with integrated decoration and labeling options

Core Equipment

250-Ton Injection Molding Machines

300-Ton Injection Molding Machine

500-Ton Injection Molding Machine

Material Compatibility

Polycarbonate (PC):
High impact resistance and clarity.

PMMA (Acrylic):
Excellent optical properties and surface finish.

Polyester (PET):
Durable and flexible for various applications.

Specialty Materials:
Engineered for enhanced performance in demanding environments.

Advanced Capabilities

Film Injection Molding (FIM):

Embeds graphics and functional layers directly into molded parts for enhanced aesthetics and durability.

Cutting & Embossing

Our cutting and embossing department is optimized for industrial-grade appliance and electronics components. We specialize in precision cutting and surface detailing for functional and aesthetic parts used in housings, control panels, overlays, and branded enclosures.

Cutting & Embossing Capabilities

Optimized for industrial-grade appliance and electronics components.

Specialize in precision cutting and surface detailing for functional and aesthetic parts used in housings, control panels, overlays, and branded enclosures.

Core Equipment

Multiple Clamshell Die Cutters:
Ideal for flat bed die cutting of rigid and semi-rigid substrates used in appliance and electronics assemblies.

Laser Cutting Systems:
High-speed, precision cutting for intricate geometries and tight tolerances.

Embossing Stations:
Capable of producing raised branding, tactile indicators, and decorative textures on technical surfaces.

Material Compatibility

Polycarbonate Films:
Used in control overlays and display windows.

PET & Acrylics:
Durable and optically clear for appliance interfaces.

Adhesive Laminates & Insulators:
For thermal and electrical isolation.

Specialty Composites:
Engineered for high-performance industrial environments.

Advanced

Flat Bed Die Cutting:
Delivers clean, repeatable cuts for gaskets, faceplates, and insulation layers.

Laser Cutting:
Enables non-contact processing of sensitive materials.

Embossing:
Adds depth and texture to control panels, logos, and user interface elements for enhanced usability and brand identity.

Electro-Mechanical Assemblies

Dedicated manufacturing space optimized for high-quality assembly processes, supporting complex builds with consistent performance.

- Electronic Assembly
- Film Injection Molding (FIM)
- Membrane Switches
- Capacitive Circuits
- PCBA Integration
- Adhesive Application

Smart Cleanroom Manufacturing

Class 7 Clean Room

Our facility includes a Class 7 clean room, engineered to support high-precision manufacturing and assembly in a controlled environment. Ideal for industries where contamination control is critical to product integrity and performance.

Core Features

- Class 7 Compliance
- HEPA Filtration
  Air Changes per Hour (ACH): 60–90 ACH Positive Pressure Environment
  Temperature & Humidity Control

Compliance & Monitoring

- ISO Certification for clean room standards.
  GMP (Good Manufacturing Practice) alignment.
  Environmental Monitoring Systems for real-time particle and air quality tracking.

Applications & Industries

Electronics & Optics
Medical Device Assembly

On Site Laboratory Testing

- Abrasion, Wear and Durability
- Environmental and Chemical
- 3D Faro Arm
- Heat and Humidity Exposure
- Conductivity and Resistivity

Quality Standards

Sustainability at CCL Design

Key Aims and Targets

Continuation of waste to landfill improvement projects across the globe

Emission reductions in line with CCL Industries SBTi targets

Further development of sustainable materials, coatings and polymers

CCL Design

50%+
sites zero to landfill

20%
reduction in waste sent to landfill in 2022

Germany, Europe – Case Study

80%
reduction in lighting energy usage

32%
of electricity usage from onsite solar

Electric cars & equipment reduces carbon usage by
2 tonnes

Suzhou, China – Case Study

4800m²
rooftop transformed into sustainable powerhouse:

- 879K kWh of renewable energy generated annually
- 861 tonne reduction in carbon emissions

*All data aggregated from CCL Design Ecometrica data which is third-party verified

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