

Easyflex

™

Case Study

EasyFoot Supports for Terrace Installations

Revamping Terrace Supports for a
Multinational Tech Giant



Retrofit Installation of Supports for MEP Services

Design & Supply by Easyflex



The project involved assessment of outdated terrace support structures and implementation of redesigned systems to meet current load, safety, and durability requirements at the H.Q. of a leading multinational technology firm in Bangalore.

Equipments were originally installed using bricks, concrete blocks, and anchored mild steel frames.

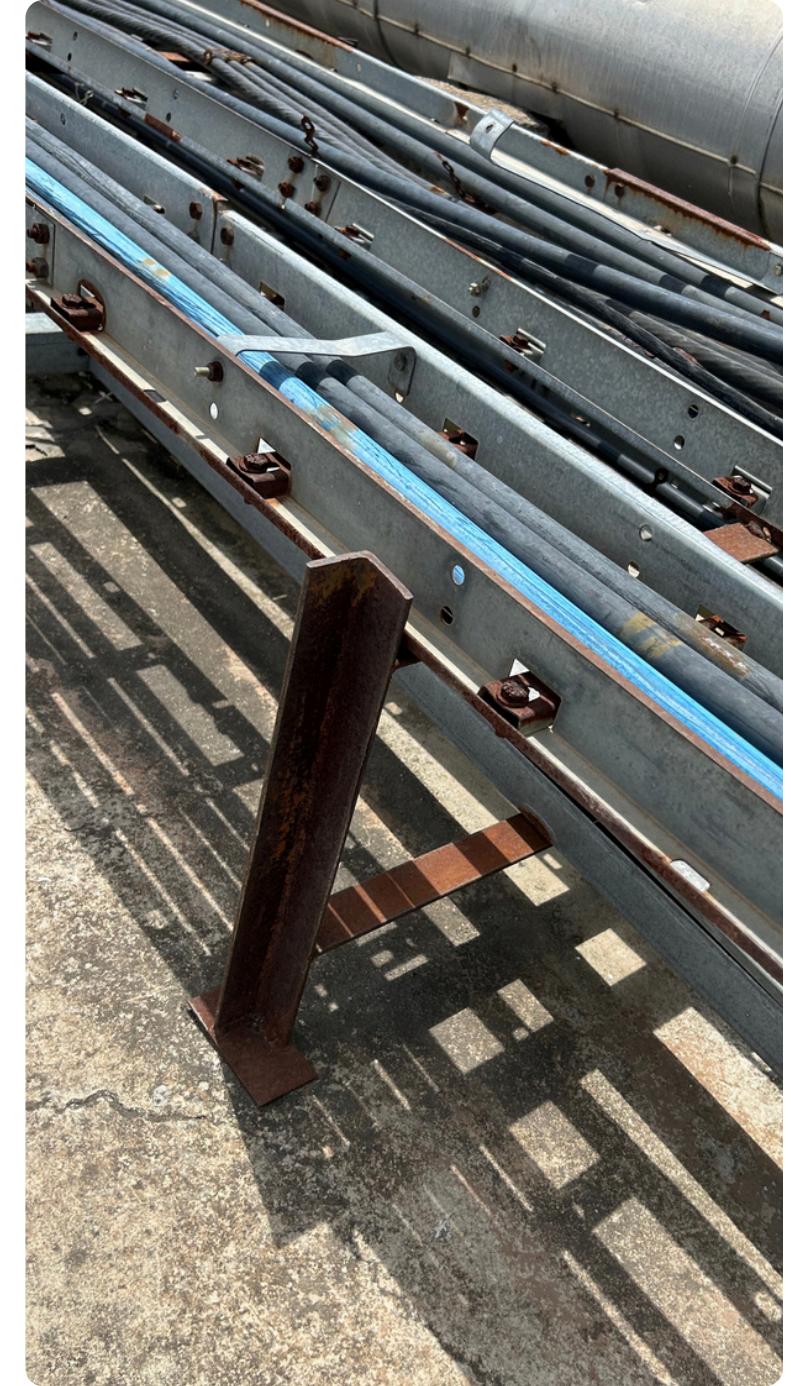
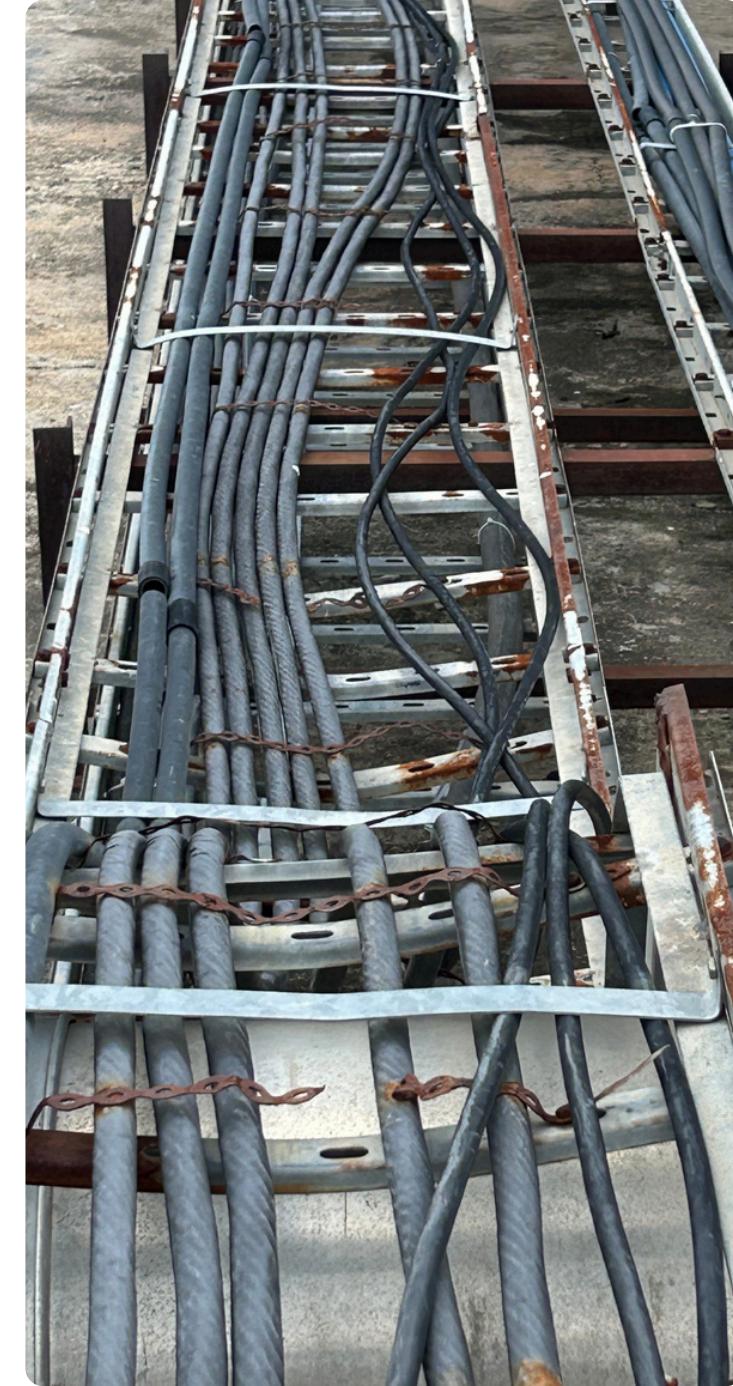
Majority of these supports had deteriorated, rusted, and compromised both functionality and aesthetics.

The Terrace called for an urgent upgrade and our scope of work included -

- **Ducts & Cable Trays**
- **PVC & Chilled Water Pipes**
- **PAC Units**
- **Air Handling Unit**
- **VRF Outdoor Units**

MEP Services on Roof Top

Current State



Heavily rusted MS stands were structurally compromised, causing sagging and ongoing housekeeping problems.

Original Condition

Air Handling Units & PAC Units

Installed on Concrete Blocks



The concrete blocks were adding unnecessary weight to the building and blocked modifications in layout for expansion plans.



Original Condition

VRF Outdoor Units, AHU's & Cable Trays

Installed on MS Stands



The MS Stands were worn out and gave an overall unappealing look and feel to the terrace.

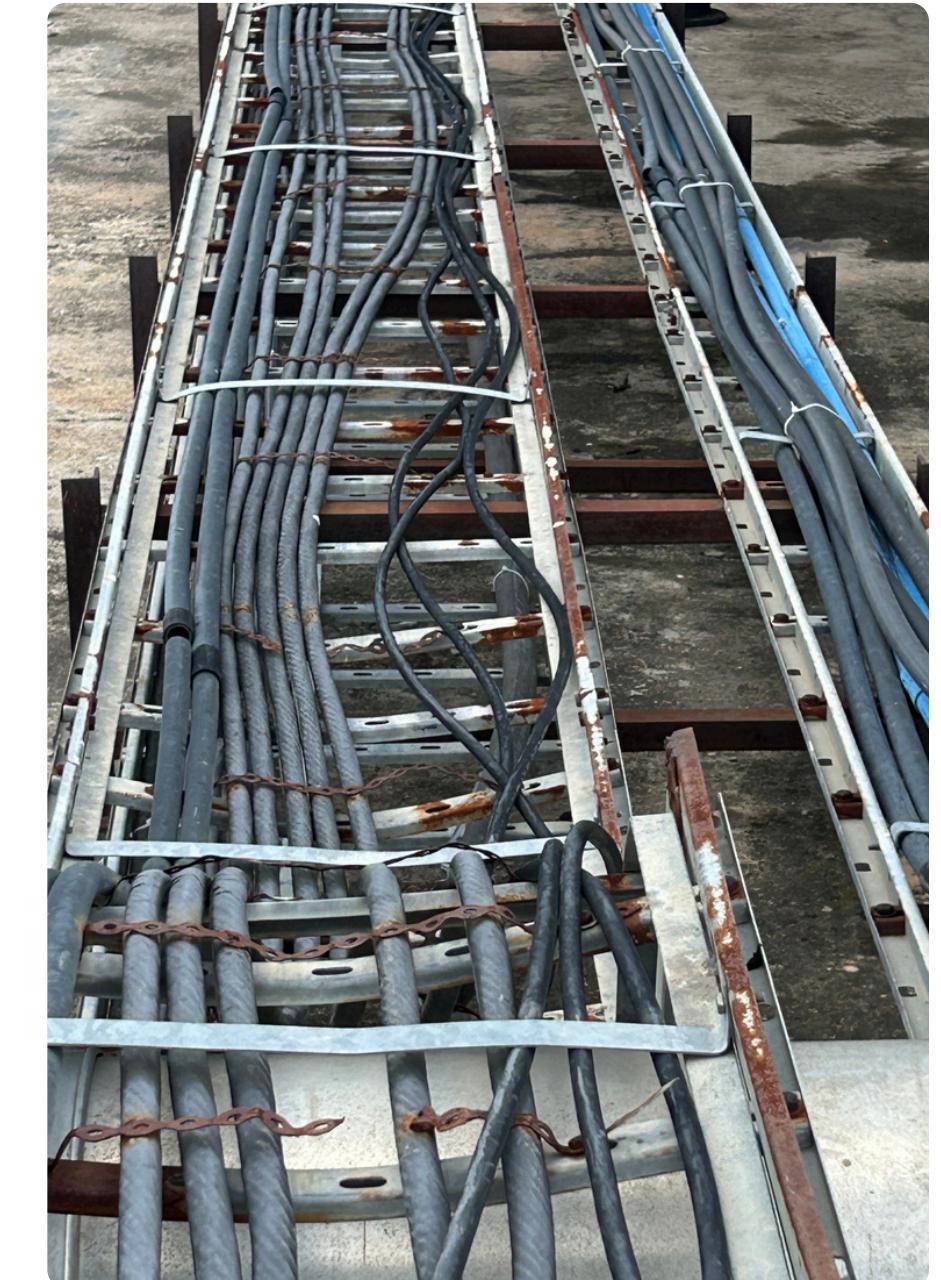


Original Condition

Chilled Water Pipes

Installed on Concrete Blocks

Similar issues of excessive weight to the structure and rust filled stands persisted to other mechanical services.



Revamping Terrace Supports for a Multinational Tech Giant

Location: Bengaluru

The Challenge

Following multiple site visits, the Easyflex team conducted a thorough survey and established a comprehensive BOQ of EasyFoot supports tailored for each equipment.

Precision and innovation were key—This was no ordinary retrofit :

- **Height Consistency:** The existing height of supports had to be maintained to prevent disruptions in piping connections.
- **Heavy-Duty Engineering:** Supports were designed to withstand multiple heavy chilled water pipe runs (250NB, 300NB, and 350NB).
- **No-Drill Installation:** EasyFoot's advanced "No Drilling" support design ensured minimal impact on the terrace structure.

EasyFoot for HVAC Applications

NO DRILLING SUPPORTS

Made of High Density Recycled Plastic (HDPE) with Anti-Vibration Pads attached at the bottom.

Designed for VRV & VRF Outdoor Units, Air Handling Units, Chiller Systems for Roof top applications.



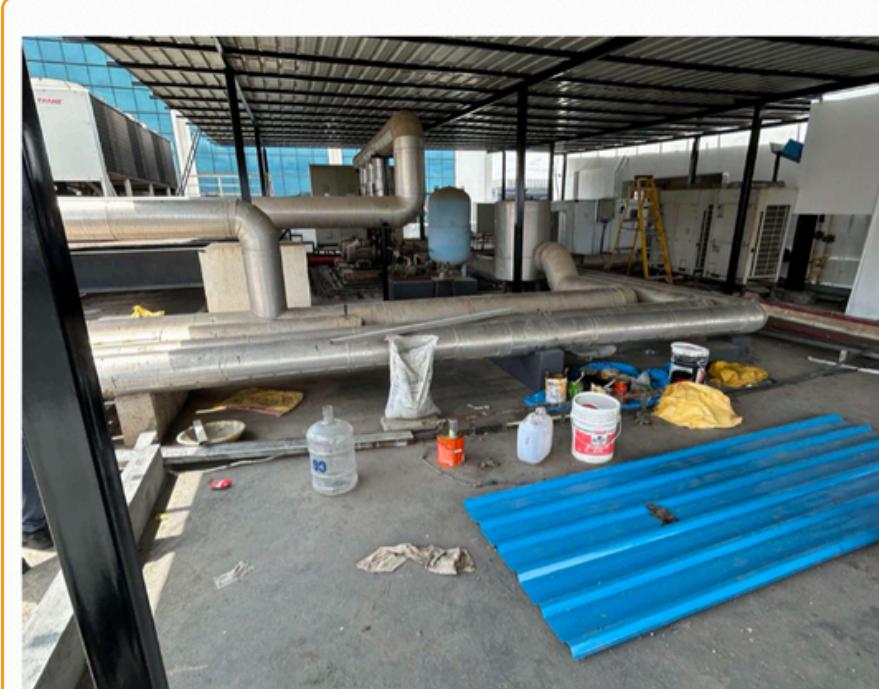
Revamping Terrace Supports for a Multinational Tech Giant

Designing EasyFoot for Upgraded Installations

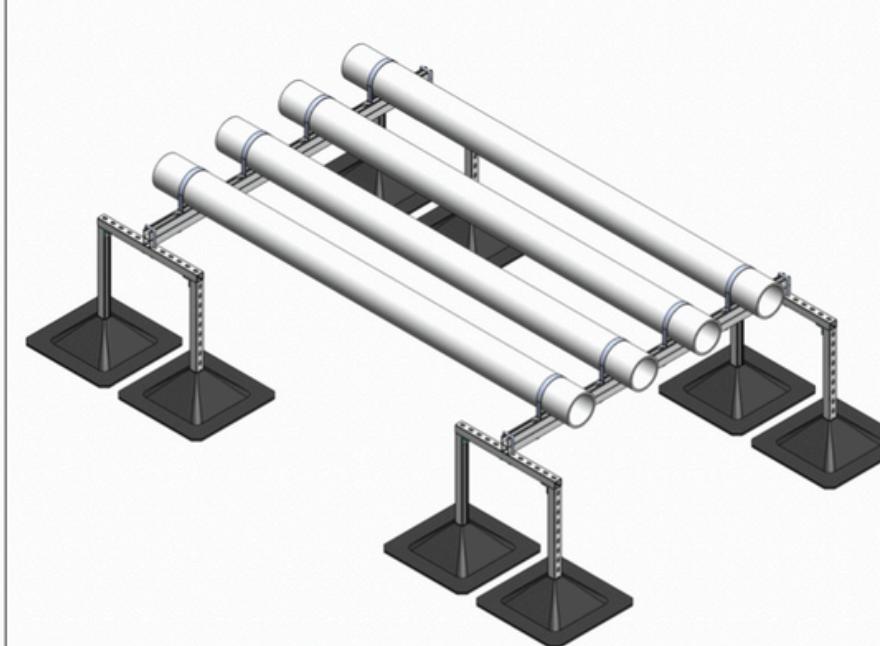
With the client's approval and swift supply turnaround, the final installation—executed by a local contractor—was a resounding success.

Additionally, the existing step platforms were upgraded with the EasyFoot Stepover Access System, further enhancing accessibility and safety.

The transformation was not just functional but visually stunning.



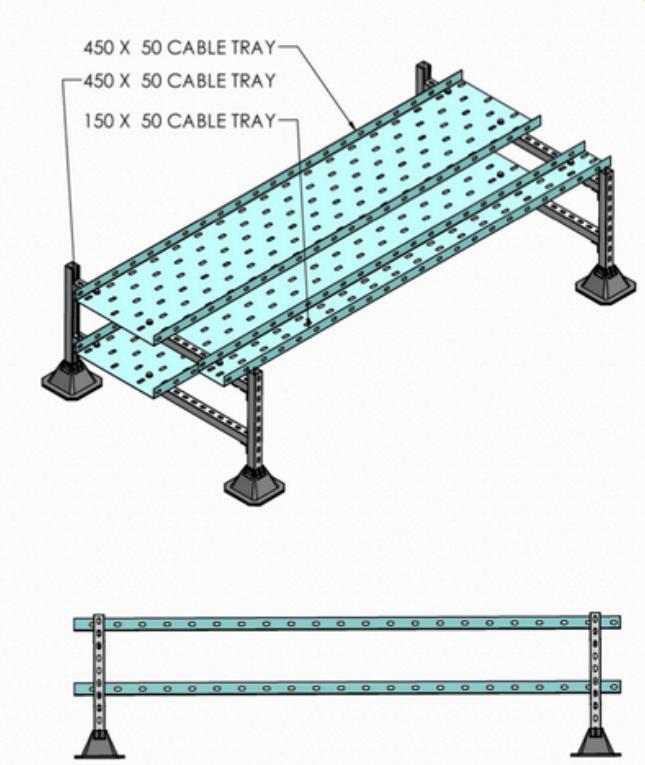
ACTUAL SITE ARRANGEMENT



PROPOSED ARRANGEMENT



ACTUAL SITE INSTALLED ARRANGEMENT



TWO TIER H-FRAME ARRANGEMENT
PROPOSED ARRANGEMENT

The Transformation

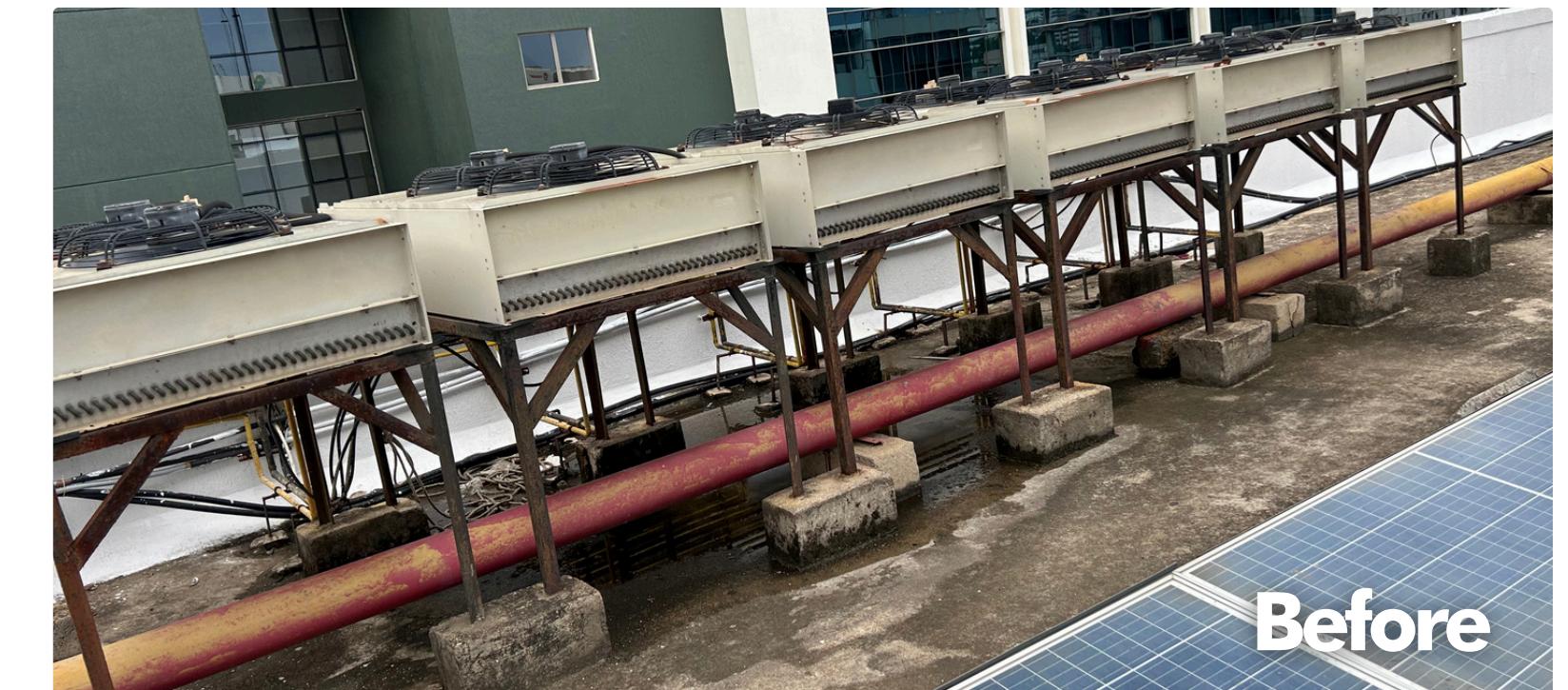
PAC Units

Installed on EasyFoot H-Frame Kit



EasyFoot Frames are a NO Drilling solution for installation of equipment & supports, especially to protect waterproof membranes on terrace.

They enable easier adjustments and modifications to accommodate various site conditions or future expansions.



The Transformation

Cable Trays

Installed on EasyFoot Mini H-Frame Kits



The EasyFoot H-Frame Kits are essentially a Height Adjustable solution.

Designed for quick and straightforward installation, requiring no specialized tools or skills, which significantly reduces labor costs and installation time.



The Transformation

PVC and Fire Pipes

Installed on EasyFoot Mini H-Frame Kits & Rubber Feet



Upgraded

This combination with rubber feet also facilitates efficient weight distribution, which can help prevent structural stress on the terrace.

The inclusion of rubber feet enhances stability and minimises vibrations, thereby protecting the terrace surface and reducing noise transmission.



Before

Rubber Feet

Convenient installations of
Mechanical & Electrical Services



The Transformation

Chilled Water Pipes

Installed on EasyFoot Mini H-Frame Kits & Rubber Feet



Before



Upgraded

The H-Frame Kits are lightweight yet sturdy, providing robust support without the bulk and weight of traditional MS stands.

They offer flexibility of height and configuration, essential for accommodating the natural contours and potential obstacles present on a terrace.



Upgraded

The Transformation

Air Handling Units

Installed on EasyFoot

The EasyFoot Frame designed here based on weight of the AHU and equipment dimensions.

The frames have been designed keeping in mind operating weight of the equipment and additional safety factors.



The Transformation

VRF Outdoor Units

Installed on EasyFoot



Upgraded



Upgraded

The Transformation

EasyAccess & Step Over Arrangement

Installed on EasyFoot



The existing step platforms were replaced with the EasyFoot Access & Step Over arrangement.



The Transformation

EasyAccess & Step Over Arrangement



Complete In-House fabrication as per customised requirement.

Hot-Dip Galvanised finish to prevent rusting and ensure longevity



The Transformation

Terrace Supports Upgraded

Complete Transformation



This project is yet another testament to Easyflex's expertise in delivering innovative, high-quality solutions for modern infrastructure challenges.



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ENGINEERING YOUR VISION WITH OUR EXPERTISE