



***Monitoring energy usage in real time for individual households and common usage areas.  
Control the voltage fluctuation  
Accurate energy consumption could be determined***

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***ElMeasure helped us monitoring electrical parameters and indicating process status which ensures the quality of Surface Coating using HMI based Solutions, we implemented in the year of 2016 and is working satisfactorily***

**- Srivarma Shetty V.P. Operations**  
AB Carter India Pvt. Ltd

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A.B. Carter, Inc. USA was founded by Arthur Bynum Carter in 1922. Mr. Carter's interest and expertise in the application of rings and travelers for producing quality spun yarns led the way for establishing the metal traveller business in 1937.

Today, A.B. Carter is universally recognized as a quality supplier of Machines, Products, Parts and Accessories for the Yarn, Carpet, Fibreglass and Industrial Sectors of the Textile and Composite Industry.

**Problems Faced :**

We were facing problem to maintain thickness of the plating on the components manufactured.

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## Solution Components

### Human Machine Interface (HMI)

- 6 DC EnergyMeters
- 1 Panel
- 1 SIO (smart input - output)
- 2 Gateways
- EMS Software with Elnet-16

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## A smart solution

Elmeasure Energy Management System Includes Multifunction Load Managers (Tiny Master Series) interfaced with Energy Management Software Elnet 16.

Elmeasure HMI Solution with related accessories like DC Energy meters, 1 SIO - Smart input and output Meter, 2 gateways and Energy management software with Elnet-16

*Investment  
INR 3.57 Lakhs  
Payback period  
6 months*

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## Real Business results

1. Low Power Factor was improved by adding 50 KVAR Capacitor Banks in Individual Feeders. Now maintaining PF above 0.97 in all feeders.
2. Power Theft was detected through EMS. Since there are Multiple Vendors in the same premises, there was Power theft by tapping M/s. Lifestyle cable. The Energy consumption Difference was monitored between SEB Meter and Main Incomer Panel Meter. Some part of Power was used by other Vendors before LT Incomer Panel of M/s. Lifestyle.
3. Chiller Motors had unbalanced Loading. This was detected through EMS and was possible to Balance Loads in Chiller Motors in all Phases.
4. Accurate MIS Reports Daily, Weekly and monthly is being generated without any Human Errors. By getting MIS Reports through EMS, the manual data logging is eliminated and this saves at least 1 Man hour per day.
5. Un-necessary running of Chillers was controlled during week days when less number of customers were present in the Showroom.

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## For more information

To learn more about AB Carters installation, visit :

[www.elmeasure.com/abcarter](http://www.elmeasure.com/abcarter)



Sales Offices: BANGALORE | CHENNAI | MUMBAI | DELHI | HYDERABAD | USA | UAE

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