

SAVE ENERGY, SAVE MONEY, SAVE ENVIRONMENT



Community Science Centre, Vadodara
Recognized by Gujarat Council on Science and
Technology (GUJCOST) Govt. of Gujarat

Jointly With

**Electrical Research and Development
Association ERDA – Vadodara**

Seminar on “Saving Energy by Variable Speed Drives”

Programme Date

18th January 2024

Thursday

Time: 9.30 a.m. – 6.00 p.m.

Programme Fees:

Rs. 3000/- per participant

10% Discount for 2 or more participants

Venue : Seminar Hall

Community Science Centre, Vadodara

Aarti Society, Atmajyoti Ashram Road,
Subhanpura, Vadodara-390 023.

Tel: 0265-3576910

E-Mail: cscvadodara@yahoo.co.in

For registration please contact

Dr. Jitendra Gavali 9725891033

Mrs. Harshangi Yagnik 9879732645

Community Science Centre, Vadodara:

(CSC) is a non-profit charitable trust (NGO) recognized by GUJCOST (Gujarat Council on Science and Technology) as a Regional Community Science Centre. The objective of the centre is to promote dissemination of knowledge in Science and Technology to urban and rural communities Electrical Research

Electrical Research and Development Association ERDA – Vadodara

Electrical Research and Development Association (ERDA) is a premier Electrical & Power sector Research & Development Organisation of the nation providing services to the Power Sector in three technical areas of “ Testing & Evaluation” “Field Services” and “R&D and Expert Services”.

Introduction: Seminar

Renewable energy and Energy Efficiency are two main pillars for reducing Global Warming and restricting Global Temperature rise up to 2°-3°. Electric motors consume substantial amount of electricity use in India about 80%. 10% is for lighting and 10% for heating electricity. Variable speed drives offer a major opportunity for energy saving for pumps, fans compressors which account for more than 50% motor used in Industry. While some new applications for pumps etc do use VFD, Large number of motors new and old do not have VFD. A recent study of Department of Energy USA shows that 80% motor in Chemical and Refinery do not use VFD.

This seminar bring together Manufacturers, Users and Consultants to bring latest in technology of VFD and its applications in Industry. Large number of case studies will be discussed.

Programme Contents:

Introduction, Inverter Technology for VFD, Application Problems, VFD Standards, Case Studies

Programme material includes latest technical information.

Emphasis will be on discussing latest Energy Saving Technologies used in Industry with Case Studies.

Programme Faculty: Dr. B. G. Desai, Mr. Bhavesh Vasiyani, ERDA. Mr. Bharat Makwana, Mr. Asheesh Dhaneria, Mr. R.P.Singh

For Whom:

Engineers, managers working in industries, utilities, and commercial establishment will benefit from this programme..

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Payment of Fees:

Fees can be paid in Cash/Cheque/D.D. in favor of “Community Science Centre, Vadodara”.

❖ **Bank Details for Electronic Fund Transfer**

Name of the Bank: Bank of Baroda

Account No.: 14790100005328

Account Name: Community Science Centre Vadodara

IFSC Code: BARBOATMAJY (Fifth character is Zero)

MICR CODE: 390012022

Mailing Address :

Community Science Centre Vadodara

Aarti Society, Atmajyoti Ashram Road, Subhanpura, Vadodara 390023, Tel : 0265 3576910 ,

E-Mail : cscvadodara@yahoo.co.in

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Seminar on "Saving Energy by Variable Speed Drives"

18th January 2024, Thursday

Time: 9.00 a.m.to 6.00 p.m

Registration Form

Name and Address of the Sponsoring Organisation:

Tel. No. : -----

E-Mail : -----

Names of the participants:

1. -----
2. -----
3. -----

Sponsoring Authority Signature: -----

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Saving Energy by Variable Speed Drives

18th January 2024, Thursday

Program Schedule

Time	Subject	Faculty
9.00 – 9.30	Registration	
9.30 – 10.15	Inauguration	Dr. Chetwani, Director ERDA
10.15 - 10.30	Tea Break	
10.30– 11.30	Introduction	Dr. B.G.Desai
11.30 - 12.45	Invertor Technology for VFD	Mr. Asheesh Dhaneria
12.45– 1.15	VFD Standards	Mr. R.P.Singh
1.15 – 2.00	Lunch Break	
2.15– 2.45	Problems using invertors for Motor Drives	Mr. R.P.Singh
2.45 – 5.00	Case Studies application wise Case Studies Industry wise	<ul style="list-style-type: none"> • Mr. Bhavesh Vasiyani • Mr. Bharat Makwana • Dr. B.G.Desai
5.00 – 5.30	• Discussion	

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