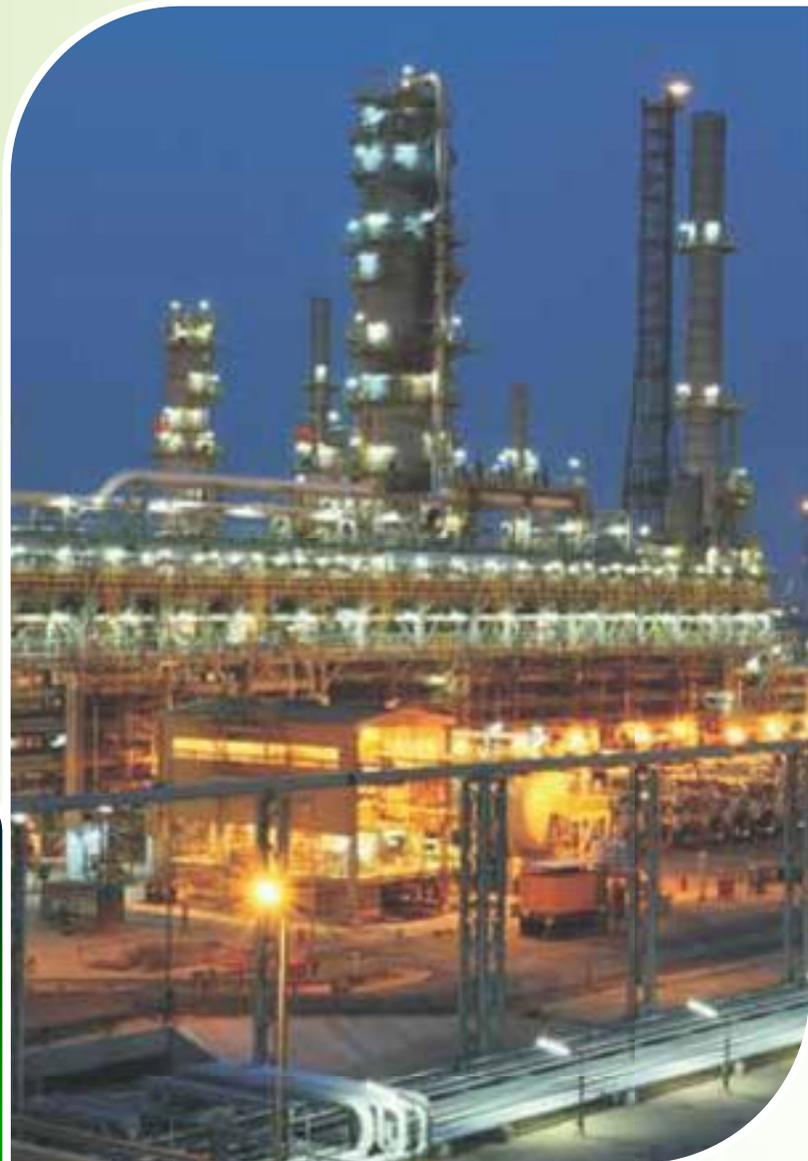




ISA Delhi Section Announces PNID – 2011 Petroleum and Natural Gas Conference & Exhibition

“Instrumentation & Automation – Enriching Energy, Ensuring Safety”



VENUE

**Hotel TAJ Palace,
SP Marg, New Delhi**

DATE

**26th September 2011
(Monday)**

ISA (D) – PNID-2011 NEW DELHI 26th SEPTEMBER 2011

PROGRAMME DETAILS

Session 1: Inauguration Programme

Registration	8:30 AM 9:15 AM
Welcome of Dignitaries & Lamp Lighting	9:15 AM
Welcome address by ISA (D) President	9:30 AM
Address by Chief Patron Sh Mukesh Rohatgi	9:40 AM
Key Note Address By Sh B R Mehta	9:50 AM
Guest of honor Dr M Ravikanth	10:05 AM
Guest of honor Sh R C Kaul	10:20 AM
Address by Chief Guest Sh A K Purwaha	10:35 AM
Release of Souvenir by Chief Guest & Guest of honor	10:50 AM
Vote of Thanks by Convener ISA (D) PNID	10:55 AM
Inauguration of exhibition by Chief Guest & Dignitaries	11:00 AM

Tea Break 11:00 AM 11:15 AM

Session 2- "Safety and Security"

Chairman/Co-Chairman	11:15 AM 1:15 PM
High Integrity Pressure Protection System	Senior official from Oil & Gas Industries
Consideration for Safety Instrumented Function (SIF)	Mr IS Malhotra M/s TYCO
Safety Instrumented System	Mr Paolo Landrini M/s GM International
Functional Safety perspective to Field Instruments	Mr Amit Agalve, M/s Honeywell
	Mr Hemal Desai, M/s E&H

Lunch Break : 1:15 PM 2:00 PM

Session-3 "Cutting Edge Technologies"

Chairman/Co-Chairman	2:00 PM 4:00 PM
Pipeline Intrusion Detection using C-OTDR	Senior official from Oil & Gas Industries
ISA100 - Field Wireless solutions	Mr Upendra H Manyam M/s COMMTTEL
Advancement in FF Technologies	Mr Bejoy Jose, M/s Yokogawa
Combining EFM and Control	Mr Sameer Shrivage, M/s Fluor Daniel
	Mr Matthew A. Diese, M/s Thermofisher

Session-4-"Asset Management / Sensor to Board"

Chairman/Co-Chairman	4:00 PM 5:30 PM
Case Study - TAS Integrated with ERP	Senior official from Oil & Gas Industries
Online Analyser System	Mr Sudanshu Shekar M/s IOCL
Integrated Automation Solutions to	Mr Jochen Geiger, M/s Ametek
Safeguard Health of Plant Assets	Mr Manoj Chandrasekaran M/s GE Energy

Tea Break : 5:30 PM 6:00 PM

Session-5:-Panel Discussion on "Statutory Requirements for installation in Hazardous areas"

Chairman	6:00 PM 7:00 PM
Co-Chairman/Other Panelist	Mr R C Kaul Jt. Chief Controller of Explosives
	Senior member of Oil & Gas Industries

Honors and Awards

7:00 PM 8:00 PM

Networking & Dinner 8:00 PM onwards

A. K. PURWAHA
CHAIRMAN & MANAGING DIRECTOR



The business environment today is very dynamic and complex. It is challenging to keep pace with the technological advancement. Speed has become the essence. Rapid automation is taking place. The focus may be increased productivity but the safety aspects have to be simultaneously ensured. An intrinsic automation addressing these key issues is extremely vital for any industry and assumes an even higher criticality when dealing with Hydrocarbons.

The Oil & Gas Sector is an important energy provider to the nation, facing challenges from ever increasing demand for high productivity, improved plant efficiency, increased safety and security meeting regulatory requirements. I am extremely happy to note that the Delhi Sector of International Society of Automation (ISA) is dedicating the entire symposium to the Petroleum & Natural Gas domain with a vision and mission to take Indian Instrumentation and Automation sector to global heights and bring in the state of the art technology in this sector.

This industry also demands Plant Intelligence solutions that help connect and integrate the disparate systems that work in isolation. To enhance the production operations it is necessary to connect the plant floor with the enterprise level that will give real time plant information.

I hope this symposium will provide a platform to share the latest trends in automation among Instrumentation fraternity namely the end users, consultants, professionals, EPCs and suppliers and enhance knowledge base to meet the challenges of today and tomorrow.

I wish the symposium a great success.

A. K. Purwaha

AK Purwaha

September 2011
New Delhi

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निदेशक (रिफाइनरीज) व
प्रभारी निदेशक (असम ऑयल डिविजन)

Rajkumar Ghosh
Director (Refineries) &
Director-in-charge (Assam Oil Division)

Message

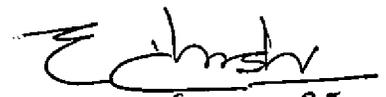
I am pleased to know that International Society of Automation-Delhi (ISA-D) is organising '**Petroleum & Natural Gas Conference & Exhibition-2011**' (PNID-2011) in New Delhi on 26th September, 2011. The efforts of ISA-D in bringing together all relevant stakeholders pertaining to instrumentation and automation solution providers are indeed commendable.

The initiative is well timed and much needed as the oil and gas sector in the country is battling multi-pronged challenges. The industry is making all out efforts to increase operational excellence by adopting cutting edge technologies in different facets of operations including safety and security. The conference therefore assumes importance as the country is emerging as an important oil and gas player in the global arena.

I hope the event with the theme "Instrumentation & Automation- Enriching Energy, Ensuring Safety" will provide synergy between the solution providers and the end users in the oil and gas industry. The forum will also provide an opportunity to share information and knowledge about the latest trends in the field of instrumentation and automation. This will help the oil and gas industry in adopting state-of-the-art systems and practices and achieving global benchmarks in critical areas like safety and security, cutting edge technologies etc.

I am also confident that this knowledge sharing will go a long way in building bridges between professionals from the world of automation, oil and gas, consultants, policy makers and academia.

I extend my best wishes for the success and meaningful deliberations at PNID-2011.


(Rajkumar Ghosh)



MESSAGE

This gives me great pleasure to learn that PNID – 2011 is being organized on 26th September, 2011 in New Delhi. I understand that this one day Symposium on Automation in Oil & Gas Industry is being supported by global leaders in the Automation Business. I congratulate ISA Delhi Section for hosting this All India event which is of prime importance to the entire Indian Industry.

At present, India is a significant player in the Global Petroleum scenario by importing large quantities of crude and LNG and emerging gas major, as a result of recent discoveries in the east coast as well as potential exporter of petroleum products. The refining capacity of India has also shown a steady growth over the years. The Oil & Gas Industry require the services of highly trained and experienced professionals to drive the Industry in a safe and efficient manner.

I wish all success to the Organizers and Participants of the Symposium. I am confident that this event will provide a great platform to share the knowledge and learn from the experiences of our colleagues in diverse industries across the world.

A handwritten signature in blue ink, consisting of a stylized 'M' and 'K' with a horizontal line above it.

(Dr. M Ravi Kanth)
Chairman & Managing Director
Projects & Development India Limited (PDIL)



I am glad to be the Chief Patron of Petroleum and Natural Gas Industries Domain (PNID-2011) conference and exhibition organized by International Society of Automation (ISA) - Delhi Section on 26th Sep-2011 with a vision to achieve global levels of excellence in this field.

Present Oil & Gas Sector faces challenges from ever increasing demand for high productivity, improved plant efficiency, increased safety and security meeting regulatory requirements. This industry also demands Plant Intelligence Solutions that help connect and integrate various systems that work in isolation. It is necessary to connect the plant floor with the enterprise level to obtain real time plant information.

Huge investments are still required to ensure the industry has enough production capacity to meet future demand. Automation expenditures by the upstream oil and gas sector are expected to grow at a compounded annual growth rate (CAGR) of nearly 7% over the next 5 years.

I hope this symposium will provide a platform for end users, consultants, vendors and EPC companies to share the latest trends in Instrumentation and Automation field thus enhancing knowledge base to successfully meet the challenges of the future.

I wish the symposium a great success.

Mukesh Rohatgi
Chief Patron
ISA-PNID 2011



MESSAGE

I am extremely happy to present before our members and distinguished delegates, the Souvenir for PNID-2011. As you all know that our team at ISA Delhi puts great efforts to bring high quality technological contents to our esteemed members. Organising the first ever PNID-2011 is an effort of our team in this regard.

On behalf of executive committee, I would like to thank all our Senior advisers, paper presenters, supporters, HPTC(High Power technical committee) members and sponsors for making this event a grand success.

I also take this opportunity to compliment and congratulate the Souvenir team of Mr. Anil Choudhary and Mr. Mahesh Kumar for bringing a wonderful Souvenir both in its content and design in front of you. I would also like to appreciate the guidance provided by Shri Soumitra Bhattacharya in advising our Souvenir team. I also put on record the efforts of Sh. Radheyshyam Tiwari in braining this print on time.

I certainly wish that with the support of our active members, there will be many more technology oriented programs that are going to be organised by our very active and capable team of ISA Delhi.

I congratulate the entire executive committee and program Convener Sh S.K Dhawan for such a wonderful program under the banner of ISA Delhi Section-2011

With best wishes,

A handwritten signature in blue ink, appearing to be 'Alok Shrivastava'.

Alok Shrivastava

(Hon President - ISA Delhi Section)



MESSAGE

I congratulate ISA Delhi Section for organizing a Symposium on 26th September 2011 at Hotel The Taj Palace, New Delhi, a National level event ,highlighting importance of Automation industry in Petroleum Oil & Gas sector. A great effort has been put up by the Executive committee in selecting the Topics, by holding a pre-symposium meet on 23rd July 2011, of “Users and Producers” from the industry. High Power Technical Committee (HPTC), comprising of Senior automation experts from the industry has done a marvellous job to review the presentation materials and to bring them in a presentation form. The one day symposium will act as a facilitator among the “Users and Producers”, to know about the latest technology available for a particular application and its sources.

I convey my best wishes for the great success of the event.

A handwritten signature in black ink, appearing to be 'S.K. Dhawan', written over a light green rectangular background.

S.K.Dhawan

Vice- President(ISA-D)

Convenor (PNID-2011)



MESSAGE

I am glad to be a part of Petroleum and Natural gas Industries domain (PNID-2011) conference and exhibition organized by International Society of Automation (ISA)- Delhi section on 26th Sep-2011 with a vision and mission to take Instrumentation and Automation to global heights and acquire a numero-uno position in Petroleum and Natural Gas sector.

In Oil & Gas Sector, Process Control is an important aspect which faces the challenges of implementing newer automation technologies, disparate systems and others across both upstream and downstream processes. While achieving this, they need to meet the safety, operating and product quality standards. "The Investment in oil & gas automation by the Industry will be strong and is forecasted to grow through 2013 "as per ARC's 5 year Market & Technology forecast through 2013.

This industry also demands Plant Intelligence solutions that help connect and integrate the disparate systems that work in isolation. To enhance the production operations it's necessary to connect the plant floor with the enterprise level that will give real time plant information.

I hope this symposium will provide a platform to share the latest trends in instrumentation and automation for End users, consultants and suppliers

I take this opportunity to thank all High Power Technical Committee (HPTC) executives for their support and guidance.

Regards,

S. Mahesh Kumar

Technical Coordinator

ISA (D) – PNID-2011

PNID is an initiative taken by ISA-Delhi section to provide a common platform to all stakeholders of Instrumentation and automation solutions providers. This forum aims at sustainable development of measurements, control, safety & automation solutions in Petroleum Oil & Natural Gas sector.

Vision

To take instrumentation in Indian Petroleum Oil & Natural Gas sector to global heights and acquire a state-of-the-art instrumentation and automation technology

Mission

To engage all Petroleum Oil & Natural Gas sectors in adopting the latest standards in instrumentation and automation, there by increasing safety efficiency and productivity.

To realize the vision and accomplish the mission, the various long term and short term activities being carried out by PNID are:

- Enabling knowledge sharing among Petroleum Oil & Natural Gas sectors instrumentation & automation fraternity including End users, EPC companies / consultants, suppliers and academicians.
- Facilitate through integrated automation, the realization of a world class Petroleum, Oil & Gas plants in India, setting and sustaining higher bench marks for safety, cost and environment.
- Integrate Indian Petroleum, Oil & Natural Gas sector to global developments in Control & Automation there by setting up local vision with global approach.
- Provide an interface for the automation fraternity with the statutory bodies, policy makers and regulators

The engagement and involvement of various End users, EPC companies and Suppliers including technology providers and developers would certainly help in achieving the roadmap for implementing strategies and best engineering practices for a world-class Petroleum Oil & Natural Gas sector.



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2011-2012 ISA Section Leaders Report Form

FAX TO MEMBER SERVICES AT 919-549-8288

DUE BY 01 May 2011

Name of Section: ISA DELHI SECTION District #: 14

Person Completing Form: Alok Shrivastava Position: President

Effective Date Leaders Take Office: 01/05/2011

Positions were confirmed by: **Outgoing President ! Incoming President !**

Position	Name	Mem. #	E-mail Address
President (3130)	Alok Shrivastava	32247966	alok@ntpceoc.co.in
President-elect (3150)	Atish Chakraborty	32899583	chakrabarty@iocl.co.in
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Membership Chair (0790)	Arun Gupta	32929694	arung@indure.com
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Exhibit Chair (0430)	A K Bansal	33156301	akbansal@power-machines.com
Marketing Chair (1010)	Akash Sharma	33129424	asharma@provibtech.com
Publications Chair (0970)	R S Gudipaty	32240787	rs.gudipaty@gmail.com
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Other (2950) Sr. Advisor	Naveen Sharma	33195630	naveen.sharma@lancogroup.com

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$$\left[\frac{1+v\omega/\sqrt{1-\omega^2}}{\sqrt{1-v^2}} \right] = \left[\frac{m_0/\sqrt{1-\omega^2} + v \cdot m_0\omega/\sqrt{1-\omega^2}}{\sqrt{1-v^2}} \right]$$

$$E = m = \frac{m_0}{\sqrt{1-\omega^2}} \text{ for } c = 1$$

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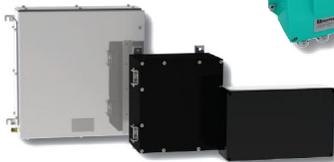


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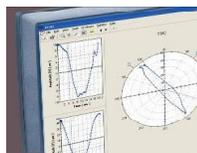
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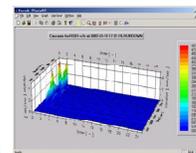
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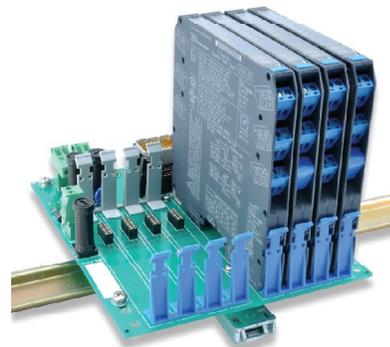
- ◆ SIL 3 according IEC 61508 - 61511
- ◆ Certified life duration: 20 years
- ◆ No electrolytic capacitors
- ◆ Three port galvanic isolation
- ◆ Safety Relay contacts rated for 5 A or 10 A

ENHANCED PACKING

- ◆ Space saving 12mm enclosure:
180 channels into just 600mm!
- ◆ Reduced power consumption
- ◆ Power Bus and DIN-Rail mounting
- ◆ All modules can be mounted on DIN-Rail,
Power Bus and Custom Boards without
accessories or options.
- ◆ Detachable transparent front panel

ADVANCED FEATURES

- ◆ Short and open circuit of line and load detection
for NE and ND loads both on relays and isolators
- ◆ EMC compatibility for safety systems
- ◆ AI, AO, DI, DO, Temperature applications



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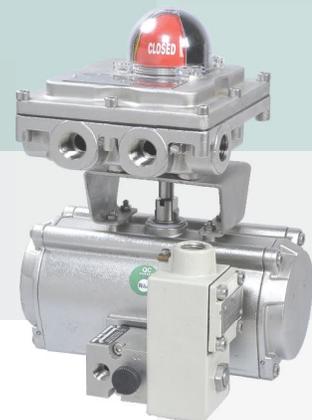
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