



## PCIC Europe

Past, Present and Future  
Cooperation with IECEx, UNECE and IEC



# Petroleum & Chemical Industry Committee Europe

## Cooperation



## MoU



## PCIC Europe

Association article 60 ff Swiss Civil Code  
Office: Schneider Treuhand Zollikofen

The General Assembly  
(All Members of PCIC Europe)

Executive Committee:

- Chair: Patrick Leroux
- ViceChair: Jean-Charles Guilhem
- Treasurer: Claudio Enggist
- Secretary: Caroline Vollet

PCIC Europe  
Bank Accounts

Yearly Audit

## Registered Logos



Technical Conferences

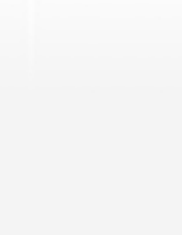
# Who we are today



Patrick Leroux, Chair  
Total (F)



Jean-Charles Guilhem,  
Vice Chair  
2B1st Consulting (F)



Caroline Vollet,  
Secretary  
Schneider Electric (F)



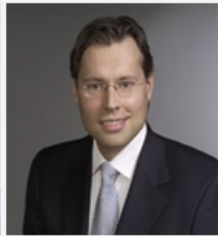
Claudio Enggist,  
Treasurer  
Schneider-Treuhand  
(CH)



Terence Hazel,  
Honorary Technical  
Advisor  
Schneider Electric (F)



Ben Johnson  
Thermon (USA)



Felix Seibl  
Zvei (D)



Geir Nordvik  
Statoil (NO)



André Mülleboom  
ExxonMobil (F)



Graeme Peck  
Hess (UK)



Jacques Tastet  
Technip (F)



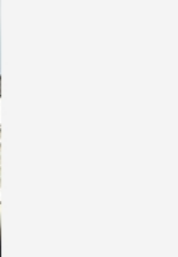
Peter Freeman  
Shell (NL)



Peter Pieters  
Sabic (NL)



Justin Mason  
BP (UK)



Hans Meulenbroek  
Eaton (NL)

## End Users (the voice of industry)

- Total
- Statoil
- ExxonMobil
- Sabic
- Shell
- Hess
- BP

## Engineering & Consultants

- Technip
- 2B1st Consulting

## Manufacturers

- Thermon
- ABB
- Schneider Electric
- Eaton

## Others

- ZVEI
- Schneider Treuhand

# In the beginning ...

## Idea of PCIC Europe in 2001

- ATEX issues main reason
- template IEEE-IAS-PCIC
- VDI chosen as conference organizer

## 1st PCIC Europe Conference in Basel 27-28 May 2004

- > 160 attendees
- > 15 countries
- 29 paper presentations

## We need the exchange of known-how on an international level

**T**he market of today is very competitive and international. Therefore it is essential that companies acquire and implement knowledge. What was valid yesterday may no longer apply in the everchanging economic landscape. In order to facilitate the exchange of up-to-date know how, several representatives of the European community of chemical, petroleum and pharmaceutical industries decided to hold a European Petroleum and Chemical Industry Conference (PCIC) in this field. Since this type of conference has been very successful in North America for the last 50 years, it was decided to use their template as a basis for a European conference.

The first step was to create an Executive Committee to define in detail the mission of the conference, its bylaws and the organization necessary to make it a success. The Executive Committee consists of representatives from France, Germany, Netherlands, Switzerland and the United Kingdom. The members are from end-user, engineering and manufacturing companies active in this industry.

The conference was held in Basle Switzerland on the 27th and 28th of May 2004. There were over 160 attendees from 15 countries to follow and to discuss the presentation of 29 papers. The wide range of subjects presented included the new ATEX directives, control of industrial electrical distribution systems, safety, product traceability, and knowledge-base systems to name a few. The basic principles of application-oriented papers based on past experience, and a strict policy of freedom from commercialism ensured high quality papers of interest to all participants as demonstrated by the interesting discussions after each presentation.

The vision of the Executive committee is "The PCIC Europe Conference will become the premier European forum for the exchange of experience of practical applications of electrical and instrumentation technology in the Petroleum, Chemical and Pharmaceutical Industries."

The mission of PCIC Europe is:

- To hold the European Conference on Electrical and Instrumentation Applications in the Petroleum, Chemical and Pharmaceutical Industry

- To support the exchange of experience and information among experts from endusers, engineering companies, manufacturers, the scientific community and government authorities
- To promote technology trends relating to electrical and instrumentation technology in the Petroleum, Chemical and Pharmaceutical Industry
- To sponsor appropriate European guidelines
- To provide opportunities for professional development
- To stimulate technological and economical progress.

Where do we go from here? Due to the success of this first conference and the constantly increasing need for knowledge exchange on the international level, it was decided to schedule the next PCIC Europe conference on October 26–28, 2005 – again in Basle.

The present issue of atp-international contains five selected papers from PCIC Europe 2004. We would like you to enjoy reading of the papers – and we are looking forward to meeting you at the next PCIC conference in Basle.



Terence Hazel



Uwe Klausmeyer



# What is a PCIC Europe conference?



Plenary Speaker Dr. Gunther Kegel, Pepperl + Fuchs, Mannheim.



Opening reception of PCIC Europe.

- Presentation of application-oriented technical papers
- Question and answer session after each paper & during coffee breaks
- Networking during opening reception, in hospitality areas, at the bar ...

# Additional benefits to attendees

## **Panel Discussions:**

- Subject selected where no standard industry practice
- Exchange of ideas, suggestions, reality checks
- People speak for themselves, not the company they work for
- No written minutes of discussions

## **Examples:**

- "What is the real value of IECEx for end-users, manufacturers and engineering companies?"
- "Fixed or withdrawable switchgear and controlgear – What is best for your Facility?"

## **Tutorials**

- Training course on specific subject based on attendee feedback
- Provided by selected authors having known expertise
- Course contents provided to attendees

## **Examples:**

- "Guidelines for designing intelligent electrical distribution systems"
- "Electrical subsea – the new frontier"
- "Using modern reliability tools to improve availability of installations"

# Recognition of European Culture



- Welcome ceremony
- Sponsored – registration fees cover conference only
- Emphasizes importance of European cultural differences
- Work is better when there is some fun





# Covering Europe, North-South, East-West

2004 Basel  
2005 Basel  
2006 Amsterdam  
2007 Paris  
2008 Weimar  
2009 Barcelona  
2010 Oslo  
2011 Rome  
2012 Prague  
2013 Istanbul





# PCIC Europe 2012 Prague was a great success



# PCIC Europe 2013 Istanbul

Looking to have another successful conference in 2013  
Istanbul – the European side of the Bosphorus  
PCIC Europe travels to the eastern border of Europe



Upstream (extraction), midstream (pipelines) downstream (refineries)

- Energy efficiency, sustainable development
- Safety including Ex, personnel training & qualification
- Regulations, new standards
- Electrical and instrumentation engineering good practices
- Equipment, systems and components
- Operation, maintenance, repair & asset management
- Extreme condition applications (subsea, Arctic, high temperature)
- Control systems and instrumentation
- Use of IEC 61850 for industrial applications

No commercialism in PCIC Europe, no booths

≈ 20% PCIC papers deal with Ex matters



# Importance of End Users

**BP**

**ExxonMobil**

**Hess**

**Shell**

**Sabic**

**Statoil**

**Total**

- Solicit and select abstracts
- Provide feedback to industry (manufacturers, engineering companies)
- Draw attendees – PCIC Europe facilitates networking
- PCIC Europe end-user members are Senior Engineers
  - express their opinions openly with justification
  - provide reality check for manufacturers, standardization bodies, etc.
  - ensure safety is implemented at all times

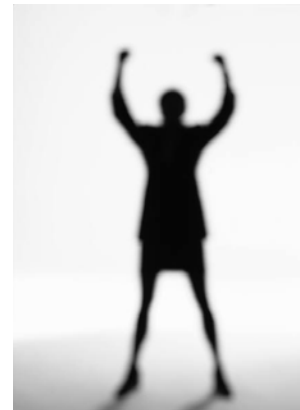
# How to become a member of PCIC Europe



- Send application letter to PCIC Europe Chairman
- Explain why PCIC Europe benefits having you as a member

- Only individuals are members, not representatives of organizations
- Members are excluded from personal financial liability

- Application discussed during PCIC Europe General Assembly and voted
- Successful candidate becomes PCIC Europe member



# Upcoming Panel Discussion – Arc Flash



## Situation

- Much work done in USA on this subject
- Coming to Europe via legal departments of large US corporations
- Absence of standardization work in Europe on this subject
- No desire to simply accept work done by USA

## Request

- Get involvement of IEC to provide European vision of subject
- Involve European worker safety committee





- Same companies operate in Middle East as in Europe
- Middle-east engineers are not able to attend European conferences
- Decision: Take our expertise to the attendees

# PCIC Europe - Global Expertise for Local Industry



- Same companies operate in Middle East as in Europe
- Middle-east engineers are not able to attend European conferences
- Decision: Take our expertise to the attendees
- Conference organizer is PCIC Europe
- Venue Abu Dhabi, 12-13 November
- In conjunction with ADIPEC Exhibition
- 16 technical papers in plenary sessions
- Includes "IECEX System – Compliance Services to Industry and Role of the United Nations, UNECE" by Chris Agius and Lorenza Jachia



# Information about ADIPEC

- Abu Dhabi International Petroleum Exhibition and Conference (ADIPEC) has 15th edition 11-14 November
- More than 1 500 exhibitors and 45 000 attendees: Largest exhibition in the Middle East for oil & gas and petrochemical industry
- Supported by Abu Dhabi National Oil Company (ADNOC) and UAE's Ministry of Energy





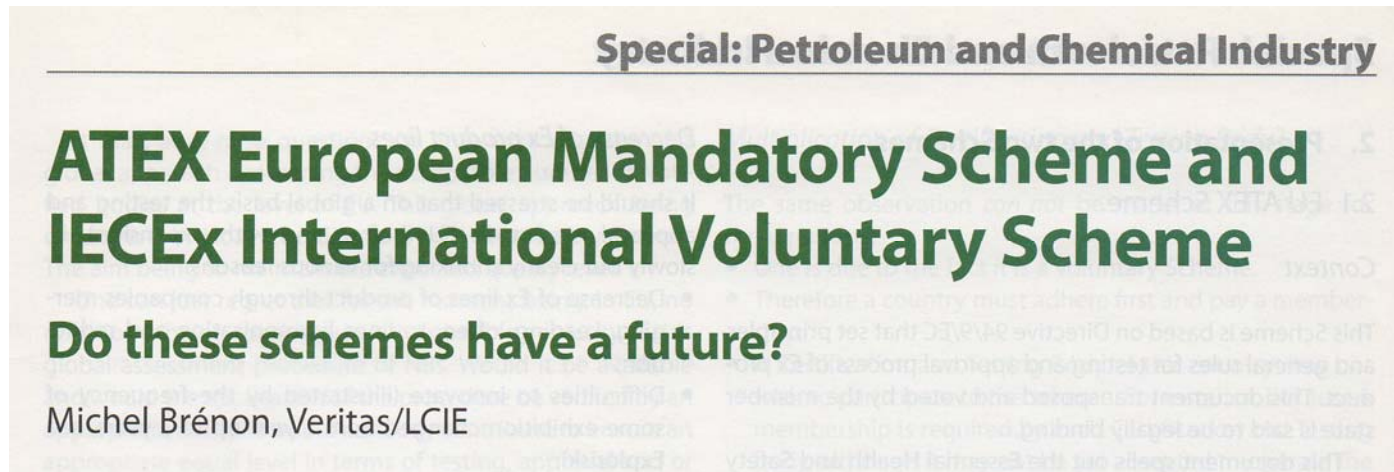
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- More than 1 500 exhibitors and 45 000 attendees: Largest exhibition in the Middle East for oil & gas and petrochemical industry
- Supported by Abu Dhabi National Oil Company (ADNOC) and UAE's Ministry of Energy
- Due to many conferences in Middle East, difficult to organize first PCIC Middle East
- PCIC Middle East hopes to profit from large number of attendees to draw some to the conference



# Cooperation with IECEx

- Mutual cooperation started in 2009
- No official MoU but series of mutual *recognitions*
- Links to each on websites
- IECEx logo on all PCIC Europe programs and conference records
- Several IECEx papers presented by IECEx members
- Panel discussion PCIC Europe 2012 Prague to get feedback



- First paper dealing with IECEx presented at PCIC Europe 2005

# IECEX Papers Presented at PCIC Europe

2005	ATEX European mandatory scheme and IECEx international voluntary scheme - Do these schemes have a future?	Michel Brénon, BV/LCIE France
2006	IECEX A Global Solution for the Ex Industry	Chris Agius, IECEx Secretary, Australia
	The Relationships in Product Standardization, Third Party Product Testing and IECEx Certification	Ben Johnson, Thermon, USA
2007	IECEX 2007 Update of New Initiatives and Compliance Tools for the Oil and Gas Industry	Chris Agius, IECEx Secretary, Australia
2010	What a Service Facility has to do to Comply with the Requirements of the IECEx Certified Service Facility Scheme	John Allen, Dowding & Mills Engineering Services, UK
	IECEX Certification Schemes Versus ATEX Directives	Rudolf Pommé, KEMA Netherlands
	The Use of Competent Persons for Work in Hazardous Areas	Ralph Wigg, E-x Solutions, Australia
2012	IECEX System – Evolution and role of the United Nations, UNECE	Chris Agius, IECEx, Australia Lorenza Jachia, United Nations Economic Commission for Europe

# Relation with HazardEx



- Editor home based in UK, dedicated to safe working operations within hazardous area environments
- **HazardEx** journal: Launched in January 2002 to enable companies from a wide range of industry sectors draw upon essential help in ensuring compliance with the latest directives, such as DSEAR, ATEX and IECEx
- Along with HazardEx journal:
  - The Event
  - The Newsletter
  - The Website
- In 2012 HazardEx and PCIC Europe agreed on communication partnership through The Journal and our respective Conferences, Websites and Newsletters

# Technical cooperation with IEEE-IAS

- Signed MoU with IAS (Industrial Applications Society)
  - Offers benefits to PCIC Europe authors and attendees
  - Mutual advertising of conferences
  - Totally separate legal entities, no financial ties, no other cooperation
- Grants access to IEEE Xplore data base to PCIC Europe authors
- Some PCIC Europe authors have republished papers in IAS journals
- Allows use of IEEE IACET membership to issue CEUs until 2012 to tutorial attendees
  - CEUs (Continuous Education Units) required in USA and Canada
  - IACET (International Association for Continuing Education & Training) has strict requirements - IEEE announced withdrawal from IACET in 2012
- MoU expires after 2014 PCIC Europe conference



# Opportunities for IEC and IECEx with PCIC Europe

- 35 – 40 end users attend each conference
- End users are often absent from IEC working groups
- End users directly concerned by results of standardization work

**Request: IEC to create a link to PCIC Europe to enhance exchanges between end users and standardization working groups**

- End users and manufacturers face difficulties implementing IECEx
- Feedback also from engineering companies (fierce competition driving down prices and often reducing quality)

**Request: PCIC Europe would like a member from an Ex C.B.**

This will enhance feedback to IECEx already existing through IECEx participation at PCIC Europe conferences.

# Conclusion

- PCIC Europe is a valuable resource for technical information
- Large concentration of senior engineers from end user organizations

Message to IEC and IECEX

Please become a part of the PCIC Europe activity in order to get the most benefit from the technical discussions.



[www.pcic-europe.eu](http://www.pcic-europe.eu)



[www.pcic-middle-east.com](http://www.pcic-middle-east.com)