Make a date in your diary…

9th – 11th June 2009…

Featured in this issue:

TIEMS Conference & Events Update
Changing Threats to National Security
Learning Lessons - Fuel Depot Accident
Cost-effective ways to shorter response times
Welcome to this the latest edition of the TIEMS newsletter. First of all I would like to congratulate our American members and the American people on the election of their new President, Barack Obama. It is a historic election and I believe he is the right man at the right time for the job. We face several challenging crises globally, including wars, economic breakdown and climate change, and we need global consensus and cooperation amongst our leaders to handle these. Barack Obama seems to be ready for that, and I have great expectations when he takes over as President of the United States of America in the New Year.

Barack Obama also inspires me with his “Yes, we can” attitude. A similar ethos is what supports and stimuliates the TIEMS strategy of creating chapters around the world that will work locally and be inspired to take part in our global thinking and activities. The TIEMS grass root local activities will continue to be the foundation of TIEMS, and that is where I will continue to have my focus without losing track on the global vision and development of TIEMS. I therefore do my utmost to participate in all global TIEMS events and continue to give the local organisers my full support to inspire them to further activities under TIEMS umbrella.

I am therefore proud to report on the activities of TIEMS in the second half of 2008, starting with the successful 15th Annual conference of TIEMS, which took place in Prague in the Czech Republic 17th – 19th June this year with Jaroslav Pejcoch as TIEMS host. About 130 participants from 25 countries attended the event, which had governmental support in the opening welcome, excellent keynote speakers and a very important panel discussion on Natural Hazard Mitigation. Furthermore a wide variety of papers dealing with different issues of emergency and disaster management was presented and discussed. The social program framed the serious technical discussions and made the event another excellent gathering of the international TIEMS network of experts.

Also this autumn was the first TIEMS international workshop on “Fuel Safety & Disaster Management” organized in the Grand Duchy of Luxembourg. Right in the heart of the European Union, the Luxembourg Hilton hotel was the scene for a two-day workshop in September. Kuwait Petroleum North West Europe, in coordination with local authorities and services, served as a respectable partner, organiser, sponsor and local host to this workshop. The workshop was enjoyed by all, and the accompanying exercise at the Q8 fuel depot was a intriguing live demonstration for all participants. This was the first workshop of this kind under the TIEMS umbrella and I welcome similar initiatives to form a TIEMS Chapter in these countries and look forward to take part in the further activities in Belgium, Luxembourg and the Netherlands.

The next event this autumn was the TIEMS Workshop in Cluj-Napoca, Romania on the subject of "Environmental Quality and Safety at the beginning of the 21st Century". More than 200 participants attended the workshop from 13 countries, coming together at the "Babes-Bolyai" University in Cluj-Napoca, Romania in October. The workshop arranged by TIEMS Romanian Chapter under the leadership of Professor Alexandru Ozunu, impressed all including myself with the professionalism of the event and the many international experts that took part, and I was pleased to see how well the Romanian Chapter of TIEMS is functioning.

The final event of the year was the 5th Croatian TIEMS workshop, 28th and 29th of October 2008. The two-day Workshop entitled "Dealing with Disasters – any Improvements?" was held in Panorama Hotel in Zagreb, where 40 international experts from various fields, and institutions
engaged in rescue and protection participated through numerous presentations and discussions. This event served as a poignant end to the year bringing out many recommendations for future improvements for the members involved, and the wider emergency management community to take forward in the coming year.

For TIEMS we have had many challenges ourselves over this year one being the “Recruitment of members and partnerships” declared at the annual conference in Prague as the TIEMS focus for 2008 – 2009. It is therefore very stimulating to notice that after so many TIEMS events this autumn, TIEMS now have 370 members from 29 countries and two new chapters under development.

More members of TIEMS are also stimulating local activities and the establishment of chapters, and the addition of two new chapters under formalization this fall, one in South East Europe and in Be-Ne-Lux countries, is a very positive development of TIEMS global network, and shows that; “Yes, we can too”.

Further updates on specific activities such as the TIEMS Africa Project and PSC Europe Forum are provided later in this newsletter, however all in all I feel TIEMS has been successful in 2008 in becoming more recognized internationally and is gaining more and more interest and in the establishment of new chapter activities and to work locally with emergency and disaster management experts under TIEMS umbrella. We do our best to improve TIEMS and be professional in our dealings on these issues, and hope our readers will join us in this effort. I welcome all readers of this newsletter to join the society, and take an active part in our activities, or to make contributions to this newsletter as only with your support and contribution can we make these activities as successful as possible.

K Harald Drager

Editors Welcome

Dear members and supporters, welcome to the latest edition of the TIEMS newsletter for 2008. Inside this issue, we have information on major TIEMS events during the last six months, which has been an extremely active period for TIEMS following the annual conference. This issue also offers two key articles from our members, the first giving an insightful view on a rare accident at a fuel depot, and the other on the use of a very useful but simply police emergency system. We hope these articles in particular will motivate other members to contribute to the future issues.

As TIEMS continue to grow and enlarge it's membership this year, we have also had the opportunity to present you two new chapters: Be-Ne-Lnelux Chapter and, South East European Chapter. We hope you enjoy reading this issue, and as always your comments, suggestions and contributions to improve the TIEMS newsletter are always welcome.

Snjezana Knezic

Alan Jones / John Briggs
Technical / Sub Editors
The TIEMS 15th Annual Conference took place at the hotel Tristar-Olympik in Prague, Czech Republic, on 17th - 19th June 2008. The conference was attended by approximately 150 participants from 25 countries and was another successful TIEMS event. The conference had the following keynote speakers: Jean Luc Wybo, Geary Sikich, Bernd Rohrmann, Alun Evans, Ji Zhang, Chantal Bonardi (presentations at www.tiems.org).

A special feature this year was a simulation exercise on "The Second Wave of an Influenza Pandemic" that took place during the conference. An introduction to the Influenza Pandemic Simulation was provided in a Keynote presentation during the first day of the conference, and further simulation updates were given during the conference, which was concluded at the end of the conference with a sum up, and critique. A panel discussion on "Natural Hazard Mitigation" was also arranged on the third day of the conference.

The best paper awards were this year a difficult choice for the Paper Review Committee, however the 2008 winners receiving a USD $100 prize kindly donated by the TIEMS Korean Chapter and receiving their award from Young-Jai Lee during the Conference Gala Dinner where:

Jonas Borell and Kerstin Eriksson from Lund University, Sweden with their Paper; “Strengthening Learning From Emergency Responses”

Their paper was selected for the developed approach to learning from disasters demonstrated. The authors used methods and techniques from the pedagogical fields (first and second loop learning) and applied the approach to a hypothetical case study. In particular the originality of bringing new methods and techniques to the field of emergency management was seen of great value.

John Tiefenbacher and Ron Hagelman from the Texas State University, USA with the Paper; “Bi-national Responses to Emergencies and Disasters:
Cooperation between Mexico and the United States"

The authors analysed the cooperation between Mexico and the US in a world in where boundaries fade away and disasters do not stop at borders. The paper demonstrated the importance of cooperation between countries particularly in responding to disasters near borders, where great volumes of emergency supplies or Trans boundary impacts require cooperation.

Susan Smith and Linda Peoples from The University of Tennessee, USA with the Paper; “Disaster Response: Community Mental Health Service Capacity In The United States"

The authors analysed mental health care in particular that provided to emergency responders after their response activities. The results indicated that mental health care is quite poor and with Emergency responders of great importance to society, their mental health is an essential aspect to effective emergency management.

The TIEMS - Rohrmann Student Foundation for the first year also selected two students for financial support for the TIEMS 2008 conference. The winners who received their award from Bernd Rohrmann during the Gala Dinner were:

Carmit Rapaport from the Israel Institute of Technology, for her paper; "Business Continuity as an Adaptive Social Process"

And Seth Stoughton from Florida State University, for his paper; "A Meta Analysis of Fiscal Loss and Fraud Prevention in Disaster Recovery Consumer and Victim Populations".

An additional honour this year also goes to 10 papers from the conference, which will be published in a special issue of IJEM. The papers were selected by the Paper Review Committee in cooperation with the Chief Editor Jean Luc Wybo of the International Journal of Emergency Management (IJEM). So keep a look out for this special TIEMS edition and we hope to firm this relationship in future years to make this a regular special edition to the journals publication calendar.

TIEMS International Workshop in Luxembourg
26th and 27th September 2008
“Fuel Safety & Disaster Management”

The first TIEMS international workshop on “Fuel Safety & Disaster Management” in cooperation with Kuwait Petroleum International was attended by 40 participants from 13 countries, and was held at Hilton Hotel in Luxembourg on 26th and 27th September 2008. A simulation exercise took place the second day of the workshop, involving a fire and explosion after collision between two trucks in Q8 gasoline depot in Luxembourg. The depot staff, as well as Luxembourg police and fire brigade, participated with TV broadcasters and newspapers to record the event.
Because the academic world was about to meet the industry, the organisers of the workshop chose for a more attractive format, i.e. one-day workshop with a balanced program and a live exercise on the second day.

This successful format was appreciated by all delegates and the main focus of the workshop was on safety and disaster management in all downstream activities of the international oil industry, such as secondary and tertiary transport, storage of oil, service stations, etc. Because all process industry operations basically rest on academic research, the first three speakers of the workshop highlighted their research results in the fields of semantics (uniform language on fuel safety), a risk analysis model for “uncertain” industry processes, combined with BLEVE and a semi-quantitative risk analysis for gasoline storage accidents. Technical support for enhancing fuel safety was the main theme during the second part of the morning when an integrated safety system for tank farms was presented, as well as the benefits of cathodic protection. The afternoon started with an important flux of IT applications to support crisis and crisis communication management. A virtual exercising program to prepare incident responders for the real thing was a very (inter)active end to the IT chapter. Finally, the last part of the workshop was introduced by a model for determining the needs of fire safety and fighting equipment in fuel loading facilities, which was an excellent bridge to the two last speakers who commented their lessons learned from recent incidents, i.e. a fuel spill into water with vapour cloud and a tank wagon fire caused by stray currents.

After words of thanks by the TIEMS President, Mr. Drager, the workshop was properly closed with concluding comments by the Managing Director of Kuwait Petroleum North West Europe (Q8).

Giedo Van pellicom and Jan Berghmans have already decided to do follow up workshops over the coming years, and the participants who attended the workshop were invited back next year when the workshop will take place in Antwerp between 24th – 26th September 2009. The following workshop will be in Rotterdam in 2010, then back to Luxembourg in 2011. Giedo Van pellicom is also applying to run the TIEMS annual conference in Brussels in 2011.

On September 27th, there was a live exercise at the Q8 fuel depot in the nearby town of Bertrange. A simulated collision of two road tankers at the depot loading point caused a huge fire which could only be managed by the joint efforts of the Q8 depot staff and local emergency services. The exercise was officially concluded by Mr. Jean-Paul Schmit, General Manager Q8 Luxembourg, Mr. Paul Geimer, Mayor of Bertrange and Mr. Gerrit Ruitinga, Managing Director of Kuwait Petroleum North West Europe. The exercise was also extensively covered by local media.
The conference was attended by more than 200 participants from 13 countries, and was held at Babes-Bolyai University in Cluj-Napoca, Romania on 17th and 18th October 2008. The organisers included Babes-Bolyai University, Ministry of Interior and Administrative Reform - General Inspectorate for Emergency Situations, and The International Emergency Management Society. The conference approached a variety of subjects including Risk Assessment and Analysis, Environmental Management and Monitoring, The SEVESO Directives, Technologies and Equipments for Environmental Assessment and Protection, and approaches to Dangerous Waste.

The conference included a TIEMS Workshop, held on the first day of conference and included presentations from Harald Drager – President of TIEMS and Giedo Van pellicom.

In 2007, the Romanian Chapter of TIEMS was developed, with its operation provided by the “APELL National Center for Disaster Management” Foundation. The Conference was a good opportunity to disseminate the information to the participants about the chapter and the society as a whole and provided delegates an opportunity to become members of the society.

Within the conference, there was also a presentation of the Aidmatrix concept in Romania. The Aidmatrix Network provides solutions for information and communication among companies in the USA and governmental authorities, to facilitate flow of goods and services in emergency situations. The Aidmatrix Network is implemented in Romania by the “APELL National Center for Disaster Management” Foundation, based in Turda, Cluj County. The purpose of the Aidmatrix Network is to mobilise human and material resources in order to mitigate the disasters impact upon the environment and population.

From discussion among the representatives of all the stakeholders involved, a good dialogue was developed, focused on the involvement of population, awareness and risk communication. It clearly highlighted the need to create and develop a network of experts and organisations to work together at local, national and global level in order to minimise the environmental risk and respond in case of emergency situation.

The results of the conference were uploaded on the following websites:

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TIEMS 2009 Annual Conference

See www.tiems.org for further details
The workshop was held in the Panorama Hotel in Zagreb where 40 international experts (from Norway, France, Slovenia, Czech Republic, Belgium, Denmark, Portugal and Croatia) and various fields, including scientists and representatives from institutions engaged in rescue and protection, actively participated through numerous presentations and discussions. It was organised by the Croatian Regional Centre for Assistance and Disaster Relief and aimed at improving the emergency management system, as well as the protection, search and rescue system in general, with a particular focus on the international cooperation and coordination in this field.

Other important issues such as the application of the contemporary technologies in raising preparedness, as well as those applied in all emergency management phases, consequence relief and recovery from major incidents and disasters were also discussed. The majority of presentations and discussions focused on the issue of protection resulting from the increased threat caused by the ever growing problems incurred by dangerous wastes, transportation of dangerous substances and by the new biological threats both to environment and people.

In order to efficiently meet all the challenges imposed by the modern highly technical way of life, intensive transportation of hazardous goods, with transportation means operating through different living environments and eco systems in a society where millions of people regularly change their residences, a need for a close cooperation between politics and profession is of crucial importance, calling for a high level of awareness, information and education in policy making. Furthermore, agency and
service representatives, especially competent ministries and scientific institutions experts have to find out adequate methods of education of political structures and population in general as the regulations applied by the unaware are rarely fruitful.

The networking and multidisciplinary cooperation should exist on both national and international level, whereas the cooperation between national institutions and regional and international organisations needs special priority. Such cooperation is important for the coordination of planning procedures and immediate management, as well as of operative procedures, which facilitates joint measures in trans-border disasters, simpler assistance provision and reception both at home and among different countries. Also requiring international and intercontinental assistance, solidarity and joint actions are problems such as pandemics of various human, animal and plant diseases, rough weather conditions devastating parts of continents, droughts etc.

New TIEMS Chapters

Following the first formal recognition at the TIEMS 15th Annual Conference of the formulation of the Romanian Chapter the TIEMS President and Director for Chapters and Affiliates, with great pleasure, announce plans for the establishment of two new TIEMS chapters.

The two hosts of the recent TIEMS Workshop in Luxemburg, Giedo Van pellicom and Jan Berghmans from Kuwait Petroleum, have launched the initiative to start a TIEMS Benelux Chapter, and Jan Bergmans has taken on the responsibility as secretary and organiser of this chapter.

The TIEMS Workshop in Zagreb also brought out the initiative to create a TIEMS South East European Chapter. Since a group of colleagues dealing with medical emergency have been dedicated to Croatian TIEMS events for the past years, Tanja Pekez-Pavlisko, a medical doctor, has accepted to take the lead in establishing a South East European Chapter of TIEMS, and all participants from the 5 workshops arranged in Croatia since 2004 will be invited to join. The Chapter will be instrumental in cooperation with RCADR in arranging the next TIEMS Workshop in the region as well as other TIEMS activities in South East Europe.

The TIEMS procedure for Chapter formalisation will publish shortly on the TIEMS website and we welcome our other members to contact us to discuss the establishment of a chapter in their area.
TIEMS Project Updates

TIEMS Africa Project

TIEMS proposed a project “Improving Emergency Management in Africa: A Focus on Education and Information Technology” which was launched and discussed during the annual conference in Thorshavn, Faroe Islands in 2005. TIEMS has since engaged support from Cranfield University in UK, who have joined TIEMS to establish the project, and cooperate with the EU project IRMA, which focuses on Integrated Risk Management in Africa.

I will participate in TIEMS workshop in Nairobi in Kenya 15th – 17th December 2008, and I will then meet people from the African Academy of Science and have an opportunity to launch and discuss the project with the African people. I will take their view on the project and talk about their involvement. This should give TIEMS the necessary feedback to move forward with the project. More information can be found on TIEMS web-site under TIEMS Projects / Africa Project.

TIEMS Participation in PSC Europe Forum Establishment

TIEMS is participating in the NARTUS project, with the aim of establishing a global Forum for Public Safety Communication. Our responsibility is Consensus Building and Forum and I participate in the project as TIEMS representative.

The PSC Europe Forum is established with 507 members from 50 countries and it’s next conference takes place in Valabre, France on 1st and 2nd December 2008. TIEMS and the PSC Europe Forum network are complimentary and quite a few members take part in both TIEMS and PSC Europe activities. See www.psc-europe.eu for further details.

Events in Europe and other parts of the world continually demonstrate that effective response to emergencies, crises and disasters depends on timely available, reliable and intelligible information.

Advanced information and communications technologies (ICT’s) offer an increasing number of valuable, however divergent, tools for emergency response, crisis management, and disaster preparedness and response. The speed with which ICT’s emerge, leads to different levels of implementation.

Find out the latest on this project for which TIEMS is a partner, and much more at: www.tiems.org
Changing Threats to National Security
23rd – 25th March 2009 Sydney

Terrorism will still be a strong national security concern for a generation or more, but the kind of security threats facing Australia are changing and will continue to change, says Dr Carl Ungerer.

The Soviet Union was once considered the big security threat, but that all changed after September 11, says Dr Ungerer, the Australian Strategic Policy Institute’s Project Director for Australian National Security.

“Terrorism will continue to be a threat, but now other threats are being identified, like health security, particularly the threat of pandemic diseases, and climate change.

“Changed weather patterns are being blamed for longer droughts and more intense storm periods, which affect food production. Rising sea levels also bring a risk of ‘climate migration’.”

However, Dr Ungerer, who is to speak at the National Security Australia 2009 Conference on 23-25 March in Sydney, says he’s cautious about elevating climate change to a national security issue.

“We need to focus on what risks will most affect Australian security interests over the next 20 years.”

Dr Ungerer’s topic at the National Security Australia 2009 is ‘Non-Traditional Threats to National Security’.

He will discuss the growing interconnectedness of security risks and pressures in the international system; the implications of globalisation for Australia’s national security; and the shifting priorities and policies of the Australian government.

Other speakers include Attorney-General Robert McClelland; Australian Federal Police Commissioner Mick Keelty; Australian Security Intelligence Organisation (ASIO) Director-General Paul O’Sullivan; Executive Director of the United Nations Counter-Terrorism Committee Mike Smith; President and CEO of the Port of New Orleans Gary LaGrange; and BAA Glasgow Airport’s Head of HSE Compliance, Gillies Crichton.

For more information: visit www.nationalsecurityaus.com, contact IIR Conferences on +61 2 9080 4090 or email Lauren Kirby at lkirby@iir.com.au
7th Annual
NATIONAL SECURITY
AUSTRALIA 2009

23rd – 24th March 2009
Dockside, Sydney

KEYNOTE SPEAKERS

The Hon Robert McClelland MP, Attorney-General of Australia

Commissioner Mick Keelty, Australian Federal Police

Paul O’Sullivan, Director-General, ASIO

Bob Correll PSM, Deputy Secretary, Department of Immigration and Citizenship

Mike Smith, Executive Director, the United Nations Counter-Terrorism Committee Executive Directorate

Gary P. LaGrange, President and CEO, Port of New Orleans

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www.nationalsecurityaus.com
Lessons Learned from Accident on Fuel Depot
by Giedo Van pellicom, Bornem, Belgium

On Thursday 03 July 2008, a yardman is uncoupling an empty Gasoline wagon in a Fuel Depot, similar to 200 Fuel Depots around Europe (Figure 1). The wagon is part of a load of 22 wagons, containing together about 1.8 Million Litre of Gasoline. At the moment of uncoupling there was a spark that ignited the remains of the unloaded fuel (Figure 4). The coupling and the greasy outside of the wagon caught fire. The quick and cool-headed reaction of both the yardmen prevented a disaster. During their attempt to put the fire out, one of the safety palls of a fire extinguishers broke.

The investigation team started its brainstorming session (Figure 5). The main question was: Where the ignition spark was coming from? A yardman claims “only when there is a locomotive (to move the empty train) we have sparks …”. At the end of the brainstorm, there were more questions that needed the answers:

The investigation started with many questions:
- What was happening?
- What went wrong?
- What is the real risk
- How to prevent future events like this?
• What about the earth connection in the depot?
• Is there a relation with passing trains?
• Is there a potential difference between the tracks and the depot?
• What are involved factors?

Only a few drops of unloaded fuel were left over in the pipe outlet (Fig. 4). There is obvious sparks when locomotive is present. There is no problem with diesel fuel, but gasoline could cause a problem.

The tracks from the main train line Brussels – Luxembourg (220 km distance) are isolated by a 12 meter long disconnection. This isolator is supposed to cut the returning current to close the circle: +3000 Volt DC on the top line; the use of energy by the train and the return to the transformation station (Figure 6).

This disconnection is realised by cutting the tracks and fill the cut (+- 8mm) with an isolation product like a type of Silicone mastic. Investigation found out that the locomotive (with a total length from first wheel to last wheel of 20 meter) was bridged the isolator so the spark occurred.

So the isolator was not longer an isolator and current come from the top line (+3000 volt DC) was going to the ground, to the earthling, seeking the way of the less resistance. The electric resistance of the depot is very low, between 1 and 5 Ohm, so this depot earthlings are very attractive for the electrical energy called “stray current”. Personally I do like more, the French name for it more “Courant Vagabond”

Further brainstorming session using a combination of Fault – Fact – Event Tree analysis (Figure 7) result in the tree that you see on this page (left side of the final version of the result tree above) and the page below (right side of the final version of the result tree above).

This combined method is used as a systemic approach to determine the cause of an accident as well as to end the investigation with recommendations for future handling of fuel depot operations. Fault – Fact – Event Tree analyse goes to the point of solution, to the point of answer, to the point of Dead End or Stop.

Sometimes the tree stops on a regulation (why is a fire-door so heavy? Because of the legal regulation… what in that case leads to a STOP on the EN or ISO or Local regulation number). This method gives a good view in failure and fact event and is overview-able that makes investigation easier to understand by non-trained executives how have to be informed by this.
The previous tree (Figure 8) shows on the right-hand, 7 recommendations to improve the process of unloading that have to be changed in the existing process to make to unloading of fuel much safer.

The following tables represent the risk of the occurrences of such accidents. Of course, this is only a calculation, and some of the factors are in combination with other factors, but still it make the change that something happens will unloading Gasoline very rare. The result of the calculation is that the fact will occur about 0.000088557 per year, or almost 1 time every 10,000 years. Even, if we increase all the probabilities with 25% (what is HUGE in risk calculation) than still the change is as low as 2.2 times in 10,000 years.

Problem: will we have fuel for 10,000 years?

Conclusion: Risk prediction can be improved to look very carefully at the facts that have occurred. It will learn that no system is perfect and that a small change, even a very small change, can occur and can have very large consequences. The lessons learned must be communicated to the rest of the industry to make fuel handling safer and better form both mankind and environment, and to prevent disastrous situations.
### Table 1: Risk Calculation (in years) that the fact will occur.

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<th>Calculations</th>
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<td><strong>A</strong></td>
<td><strong>Train in depot</strong></td>
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<td>Train's a year working day's</td>
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<td>365 200</td>
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<td>8760 hours a year 1600</td>
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<td>18.26 % of the year there is a train in the depot</td>
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<td><strong>B</strong></td>
<td><strong>Passing Trains</strong></td>
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<td>Trains passing the depot on a working Day</td>
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<td>Hours in total percentage of 8760 3.81 % there is possible current</td>
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<td><strong>C</strong></td>
<td><strong>Bridging by other Locomotive</strong></td>
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<td>Percentage of 8760 4.57% of Electrical bridging by Loc</td>
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<td>Percentage of 8760 0.28% of uncoupling time</td>
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### Table 2: Calculation of Risk Probability and INCREASE of 25%

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Cost-effective way to shorter response times – a case study from the Danish Police
By Jens Middelbo Outzen CEO, Innovative Business Software A/S

Innovative A/S has been developing and producing software for the alarm industry for 25 years and is today one of the leading alarm handling software suppliers in the world.

The company provides up-to-date and high-quality software, thus contributing to increased customer productivity and profitability.

Innovative A/S products are used for handling burglar, Fire - and elevator alarms, panic and Emergency calls (112) as well as all types of technical alarms.

The company develops products on the basis of customer needs and state-of-the-art technology with special focus on safety, up-time 24 hours a day all year round, flexibility and user-friendliness.

Main customers include Alarm Receiving centres and Emergency centres in both public and private sectors. Our staff is highly professional, responsible and skilled, and through very close customer relationships, we strive to meet the demands of our highly loyal customers. The latest product release from Innovative is called interVIEW Fleet, targeted for automatic navigation in Police patrol cars, Ambulances and Fire Brigades. It is a proven solution installed in 1000 patrol cars of the Danish National Police and is also in use with several Fire Brigades. For more information please visit http://www.innovative.dk

Case study from the Danish Police

Figure 1 displays a cost-effective how to organize response time as short as possible. The dispatch centre is equipped with state of the art GIS module (Figure 2) showing available and most convenient police cars for the specific situation.
The communication between the dispatch centre and the car navigator is controlled by interGATE (Figure 4). InterGATE contains a GSM-module and a CPU.

The key features of the system are:

- Display of alarms and vehicles on the same map
- Organize and send assignments to vehicles
- Send free text from vehicles to dispatch centre and vice versa
- Acknowledgement of receipt from vehicles with expected time of arrival (ETA) to dispatch centre
- Automatic logging of arrival time
- Logging of communication between vehicle and dispatch centre
- Navigation of vehicle to destination
- Standard Garmin functionality

The application of such system results in accurate and fast task assignment, shorter response times, and what is the most important, improved safety. Regarding economy, the system is price attractive and more significantly it is based on standard components, that makes it easy to handle and maintain.

Keep up to date with TIEMS News and Events

For more information about TIEMS and other events sponsored, supported and endorsed by TIEMS, and access to articles and news about the society visit our new and continuously improving website and explore some of it new and ever expanding features including details of the many worldwide TIEMS projects.

www.tiems.org
Forthcoming Events / Conferences

TIEMS is dedicated to highlighting to its members events and conferences, which we feel may benefit your professional development in forthcoming months.

TIEMS members and friends are encouraged to submit information about forthcoming events that may be of interest for the TIEMS community to info@tiems.org and we will endeavour to publish it in the most appropriate issues.

January 2009

Eighth Annual New Partners for Smart Growth: Building safe, Healthy, and Livable Communities
22nd – 24th January 2009
Albuquerque, New Mexico

This conference offers a variety of cross-disciplinary participants and speakers to share experiences, insights, tools, and strategies encouraging smart growth and implementation. Topics covered will be the latest in smart growth, including research, cutting-edge implementation tools and techniques, best practices, model projects, policies and codes, coordinated networking activities, interactive learning experiences, and new partners.

http://www.newpartners.org/index.html

Civil Contingencies 2009
28th January 2009
London, England

This crucial event will explore the preparation and response needed to address the emerging challenges to the nation’s safety and security.

With over 300 key decision-makers from across the UK, joining 20 speakers and 25 exhibitors to discuss the latest topics affecting the industry, the conference promises to be the must attend event for key policy makers and implementers across the resilience spectrum.

http://www.govnet.co.uk/civil/

February 2009

World Conference of Humanitarian Studies
4th – 5th February 2009
Groningen, Netherlands

This conference seeks to provide a venue for scholarly understanding of humanitarian crises through dialogue with policymakers and implementing agencies. The conference will be a meeting ground for academics and practitioners concerned with humanitarian issues, allowing them to take stock of the current theory, debates, and humanitarian studies and reflect on existing practice opportunities for improvement.

http://www.humanitarianstudies2009.org/

15th Annual Earthquakes Mean Business Seminar
6th February 2009
St. Louis, Missouri

This outreach event is presented by members of the geoscience, engineering, and emergency planning communities to provide better understanding of earthquake risk in the central United States. The seminar also includes exhibits and resources about disaster preparation and business continuity planning.

http://www.gatewayccc.us/earthquake.htm
Disaster Control for Business Continuity
"Creating an effective framework for crisis risk management"
12th – 13th February 2009
Johannesburg, South Africa

Featuring a panel of top international and regional award-winning speakers, this two-day course will look at protecting both physical and knowledge assets of the business, to reduce downtime when alternative processes and work around are identified and avoiding of liability actions.


2009 International Disaster Management Conference
19th – 22nd February 2009
Orlando, Florida

This conference highlights the role first responders and response agencies play in disaster planning, response, and mitigation. Emergency management challenges and lessons from the past year will provide the basis for many of the conference sessions.

http://www.emlrc.org/disaster2009.htm

8th Annual Emergency Management Conference
23rd - 24th February 2009
Wellington, New Zealand

The theme of the conference is "successfully preparing, responding and recovering from adverse events." IAEM-Oceania is supporting this conference. Further details will be posted on the conference soon.


March 2009

National Security Australia
23rd – 24th March 2009
Sydney, Australia

Now in its 7th year, National Security Australia has established itself as the leading national security forum, attracting over 250 senior delegates from across the national security space.

Join leading Australian and international experts who will converge in Sydney in March 2009 to review and discuss the issues surrounding Australia's national security.

http://www.nationalsecurityaus.com/

Disaster Management and Crisis Response 2009
30th March – 2nd April 2009
Kuala Lumpur, Malaysia

Disaster Management and Crisis Response will address the issues of interoperability at both the risk management and crisis management stages. Drawing on regional and international expertise, delegates can expect to project lessons learned and real scenarios onto their own current and future projects.

http://www.iqpc.co.uk/ShowEvent.aspx?id=154400

April 2009

2009 Partners in Emergency Preparedness
14th – 15th April 2009
Tacoma, USA

The Partners in Emergency Preparedness Conference is the largest and most successful regional emergency preparedness conference in the Pacific Northwest. Partners in Emergency Preparedness annually hosts over 700 people representing business, schools, government, the nonprofit sector, emergency management professionals, and volunteer organizations.

The Western Australian Emergency Management Conference 2009 seeks to help emergency managers and practitioners learn from the past to prepare for the future. In keeping with the central theme, the Conference will provide an opportunity for emergency management practitioners and researchers to showcase best practice and explore future trends.


**May 2009**

Seventh International Conference on Earthquake Resistant Engineering Structures
11th – 13th May 2009
Cyprus

This Conference aims to discuss the state of the art in structures subjected to earthquakes, including the geophysical aspects, the behaviour of historical buildings, seismic isolation, retrofitting, base isolation and energy absorption systems, as well as a wide range of applications and case studies.

http://www.wessex.ac.uk/09-conferences/eres-2009.html

**June 2009**

TIEMS 16th Annual Conference
9th – 11th June 2009
Istanbul, Turkey

The annual conference will seek to encourage international co-operation and communication, develop new methods and knowledge, and evaluate technologies and techniques, being used in the international approaches to talking the challenges of emergency management. It will also provide delegates with an invaluable opportunity to network with a truly international delegation of participants and speakers.

www.tiems.org

MORE EVENTS AND INFORMATION ON THE TIEMS CALENDER WWW.TIEMS.ORG

If you would like to publicise your event please email details to:
alan.jones@westsussex.gov.uk

TIEMS 2009

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