



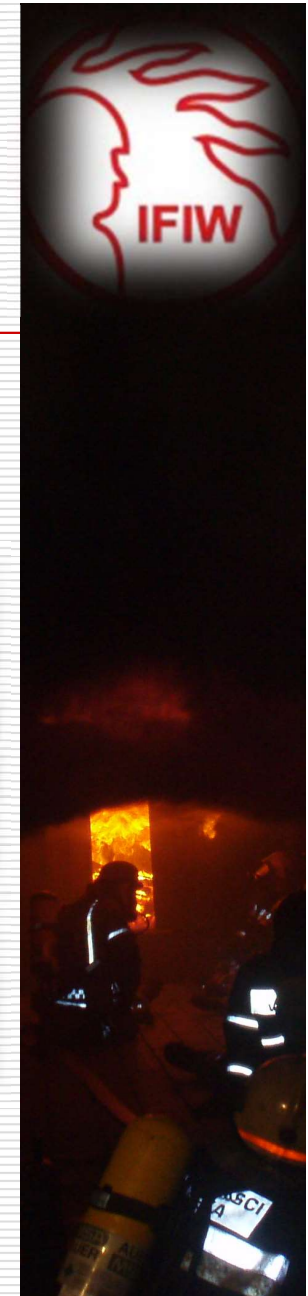
IFIW 2017 HONG KONG



10 Years of CFBT – What
Have We Learned?

Dario Gauš

2007 – First FGI Simulator Introduced



nacional
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VIJESTI SPORT SHOWBIZ LIFESTYLE STAVOVI TISKANO IZDANJE MULTIMEDIA english version Unesite pojam za pretragu... >

POLITIKA REVIJA KOLUMNISTI PORTAL CABARET BUSINESS PLAN TREND ARHIVA Registracija ili prijava: >

Objavljeno u Nacionalu br. 632, 2007-12-20

REVOLUCIJA U VATROGASNOJ OBUCI
Simulator pakla u Karlovcu

PROFESIONALNI VATROGASCI Siniša Jembrih i Mario Rogina donijeli su u Hrvatsku novu metodu za obuku vatrogasaca za rad u najtežim uvjetima



Hrvatski vatrogasci odnedavno se u pomoću simulatora plamenih udara. Najtežim uvjetima najbližima stvarnoj intervenciji, u kojoj se bori s vatrom i dimom, naučiti kako se bore protiv požara. U Hrvatskoj nije bilo ničeg sličnog. S trenutnom stupnjeva Celzija pa naviše vatrogasci susretati jedino u stvarnim intervencijama. Prva takva intervencija za sve neiskusne vatrogasce, a psihičke i fizičke reakcije organizma dramatične. Simulator plamenih udara u Hrvatskoj to će bitno promijeniti nabolje. Premda je osnovni cilj uvježbavanje vatrogasaca za plameni udar u zatvorenim prostorima, u tim se simulatorima, odnosno brodskim kontejnerima, uvijek bave i druge, za vatrogasce životno važne stvari poput kretanja u zadimljenom i požarom zahvaćenom prostoru, međusobne komunikacije, rada s mlažnicama. Vatrogasac koji prođe takvu obuku sigurniji je u sebi, u zaštitnu opremu, u kolege, bolje razumije požar i spremniji je. Najzaslužniji pojedinci

INSTRUKTORI ZA FLASHOVER Darko Zajčić, Siniša Jembrih, Mato Frančešević, Mario Rogina, Damir Martan i Darinko Kos



Šokantna i provokativna modna predstava

2/11/2017

10 Years of CFBT – What Have We Learned

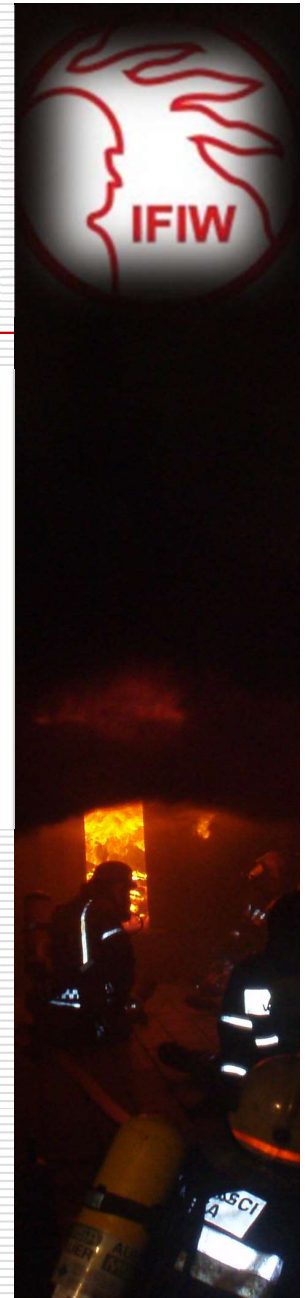
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„Nobody knows for sure...”

FLASHOVER NA 600 STUPNJEVA

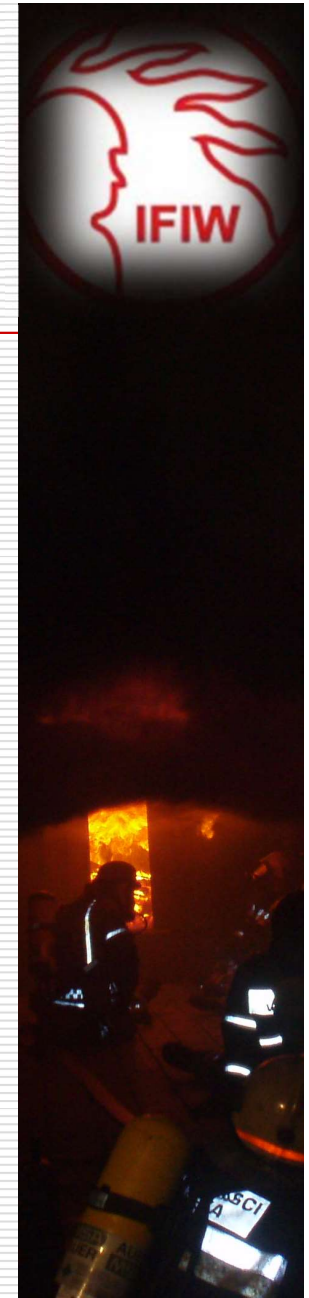
Vatrogasci koji su prošli simulaciju rekli su da je u prostoru ložišta više od tisuću stupnjeva, a da bi “flashover” uopće kulminirao na području stropa temperatura mora biti minimalno 600 stupnjeva, dok je u području polovice kontejnera, tj. kaciga, negdje oko 150 do 200 stupnjeva Celzija. Nitko pouzdano ne zna kojoj je temperaturi bio izložen u kontejneru, ali ako se nekima od njih već rastalio vizir na kacigi ili su se na njoj pojavile nakupine mjehura slične onima kod opekline na ljudskoj koži, ne treba uopće dvojiti da je simulacija itekako podudarna sa stvarnim uvjetima.

- „Nobody knows for sure what was the exposure temperature, but if some of them have experienced fire helmet visor melting, or helmet was blistering like burned skin, there is no doubt that conditions are for sure the same as the real ones.”



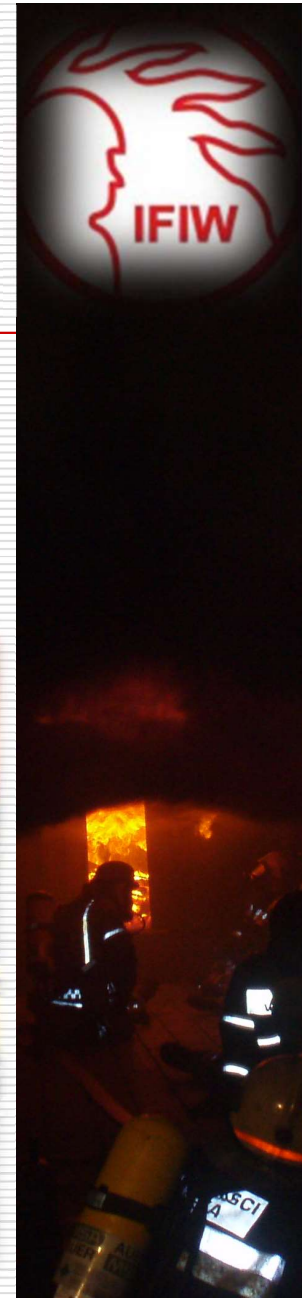
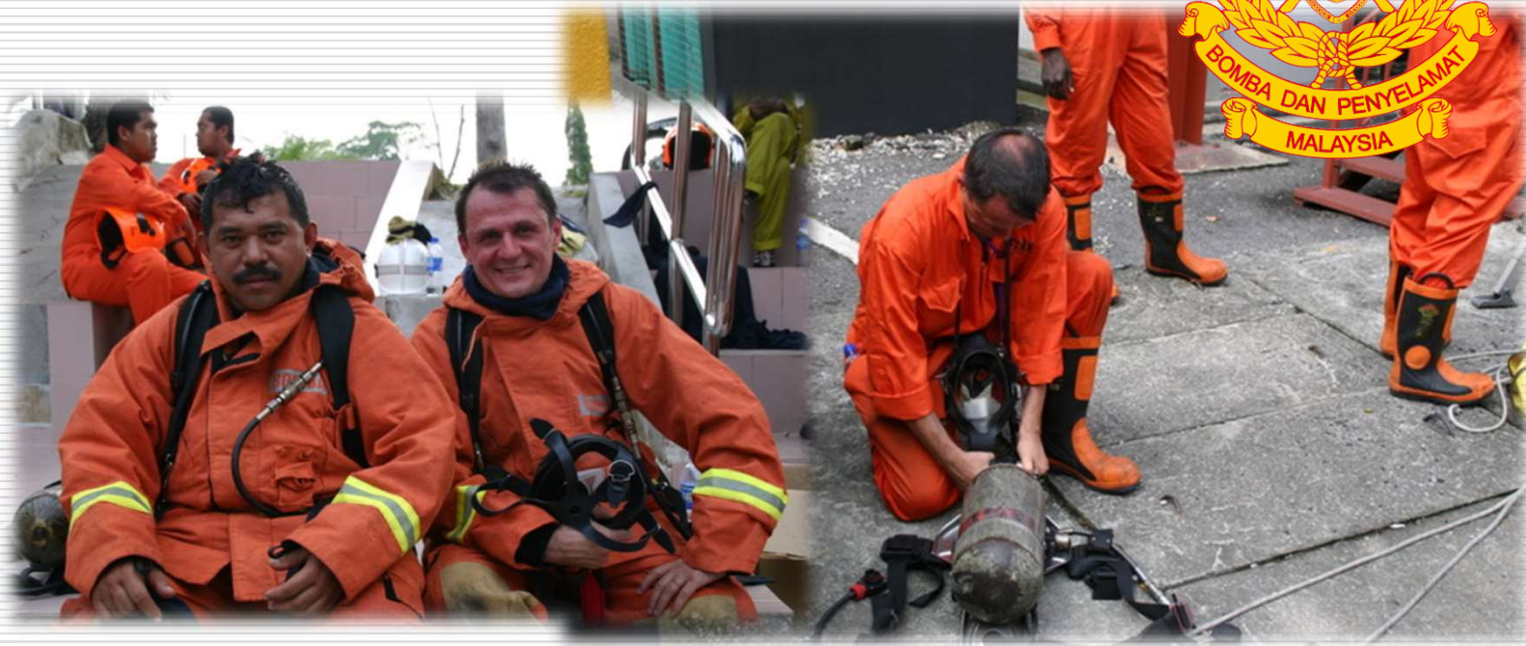
Preparing for real life fire

- ❑ It could be good thing to do;
- ❑ Or maybe not quite so good...



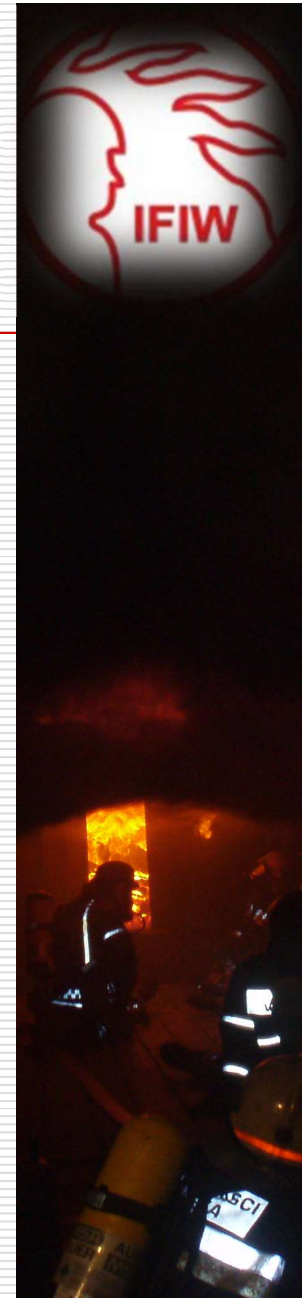
Where did it all begin?

- ❑ 2004 - Malaysia, Kuala Kubu Baru;
- ❑ Nikola Tramontana;

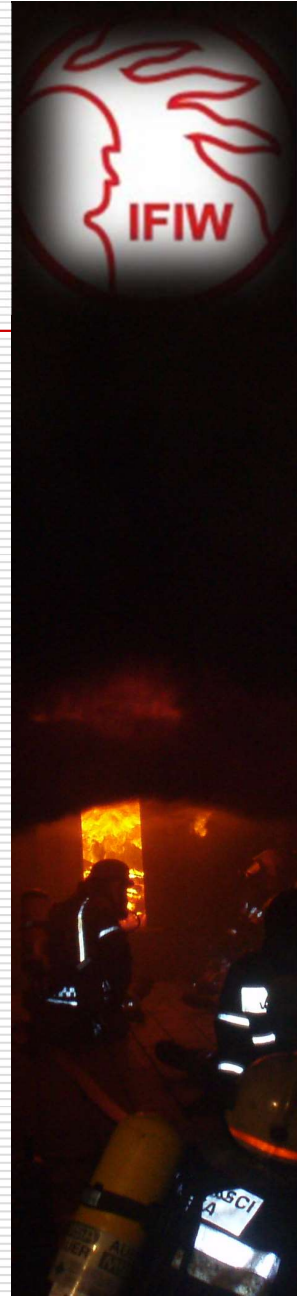


2006 – Malaysia Again

- ❑ Siniša Jembrih & Dario Gauš;
- ❑ Malaysian Technical Cooperation Program;



Some great guys we met there...



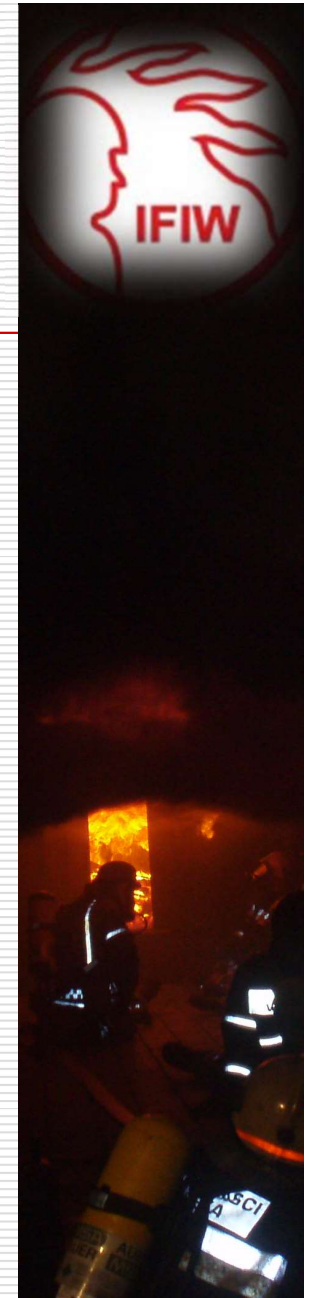
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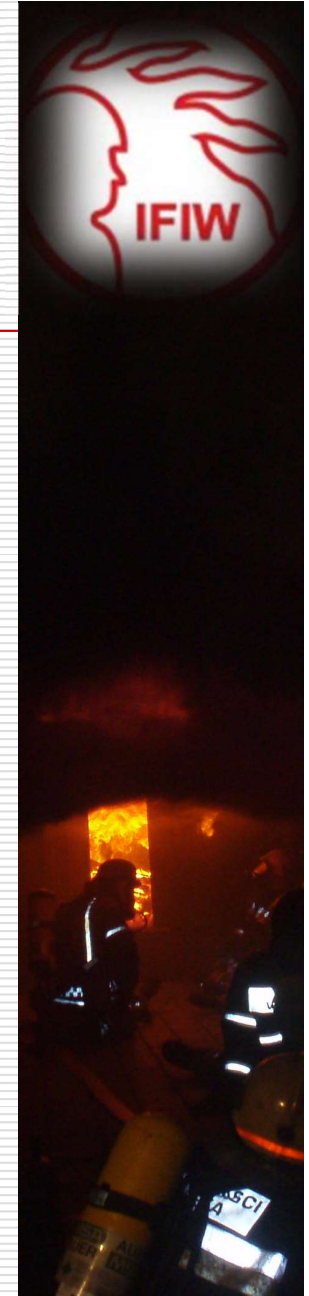
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Germany 2007

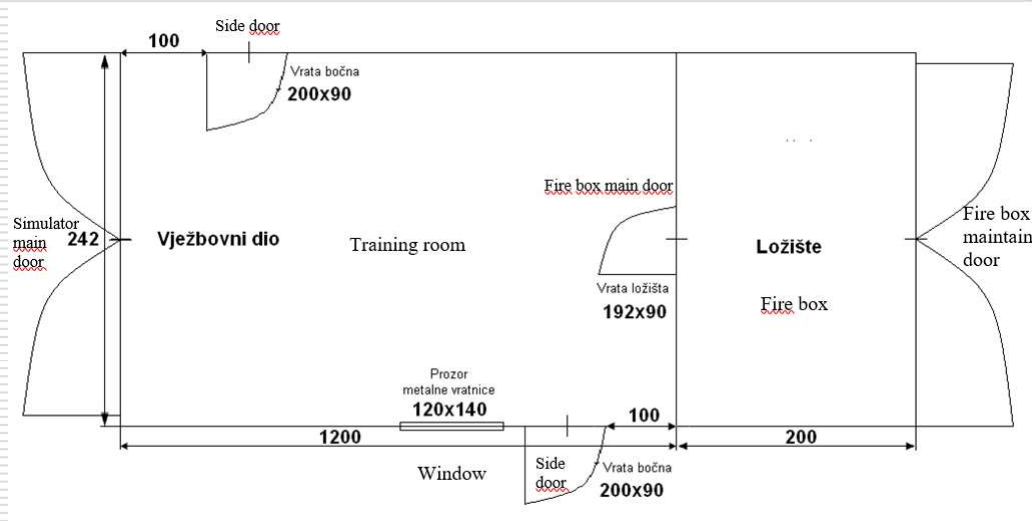
- FGI cell training – Instructors level;





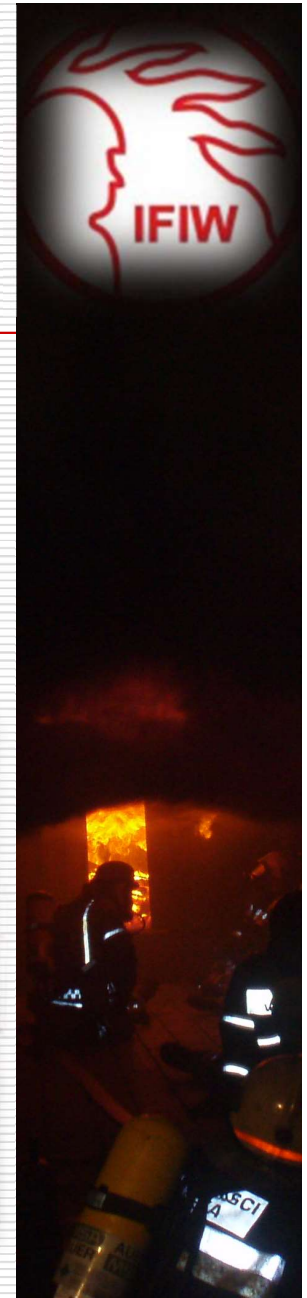
Fire Gas Ignition Cell (FGI)

- ❑ Consisted of two compartments divided by door:
 - Fire box;
 - Training compartment;
 - Wooden pallets as a fuel;



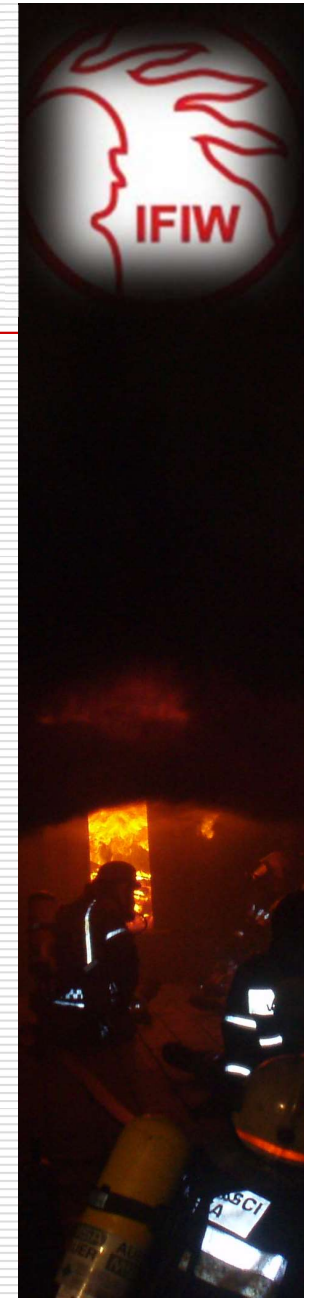
Malaysian connection

- 2008: 12 Croatian instructors were trained by Ed Hartin;



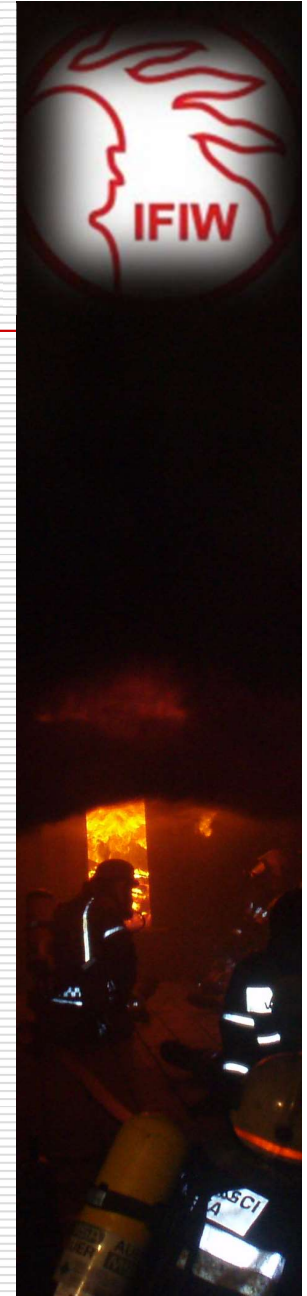
What we have today...

- Demo/Attack cell;
- FGI cell;



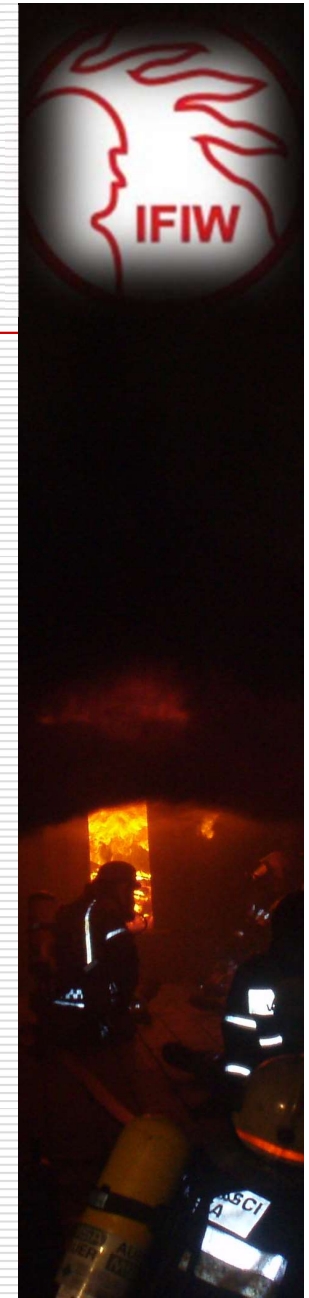
What we have today...

- ❑ CFBT implemented in to national fire school;
- ❑ County's professional fire brigades practice CFBT periodically;



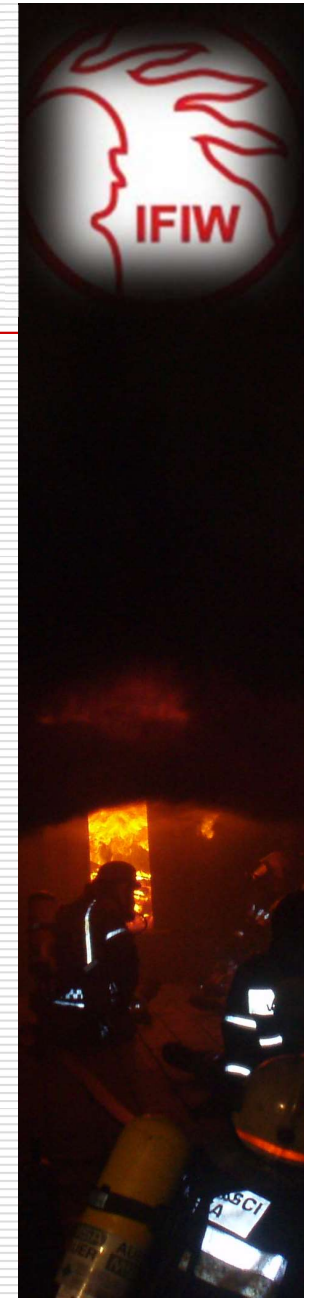
„Pole” position...

- „If you work in dangerous condition so you should train!”



How do I know the training was „real thing”???

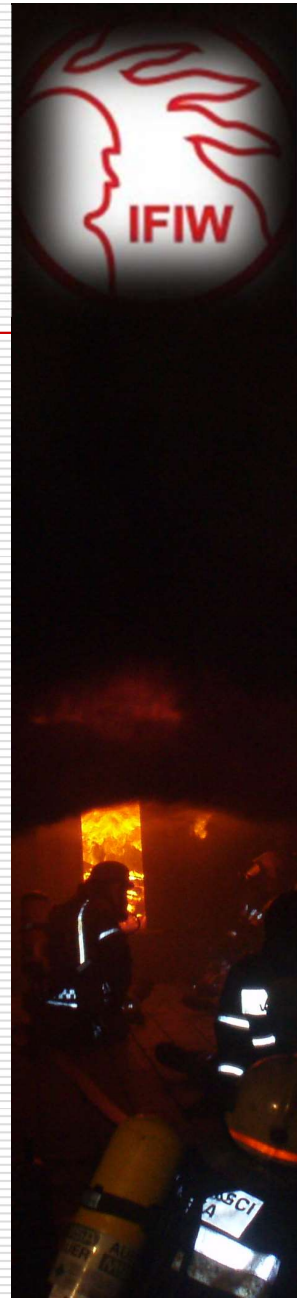
- Because I was exhausted!



Tempo adopted...

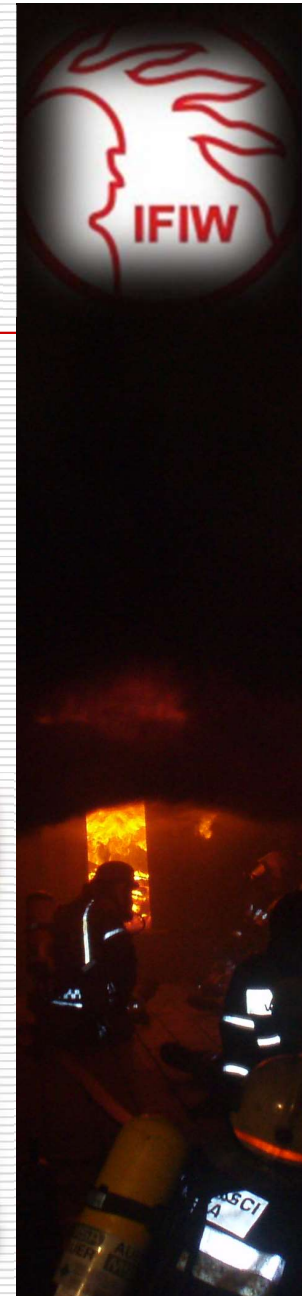
□ CFBT level one:

- One day theoretical lectures;
- One day practical sessions;
- Four entries!



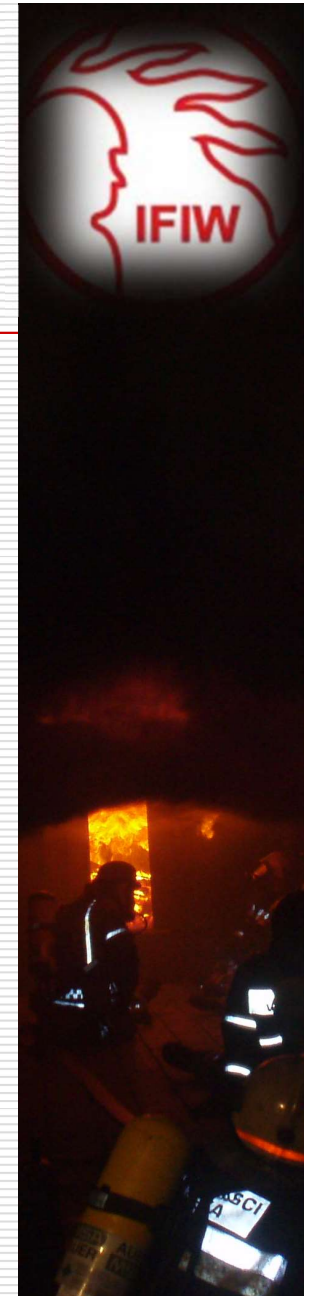
Reason?

- German model;
 - It is the way we were taught!?!
- Organizational issues;
 - Training outside fire brigades;



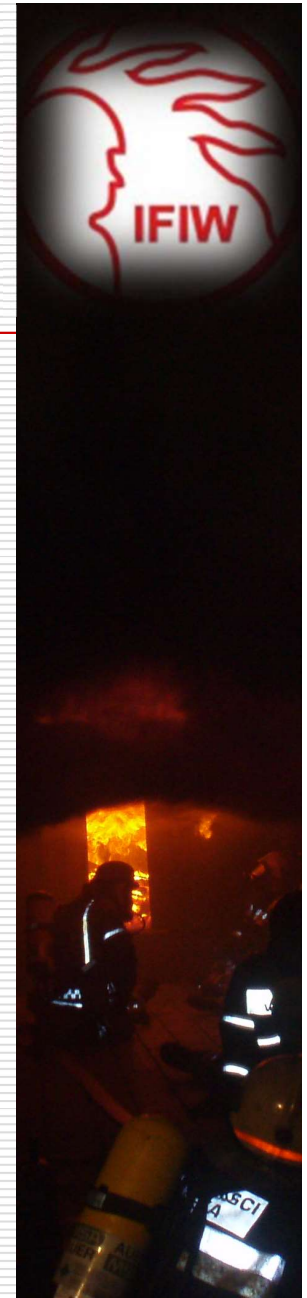
Consequences...

- People were avoiding training;
 - Some health issues came out;
 - A lot of different reasons for not to attend the training;



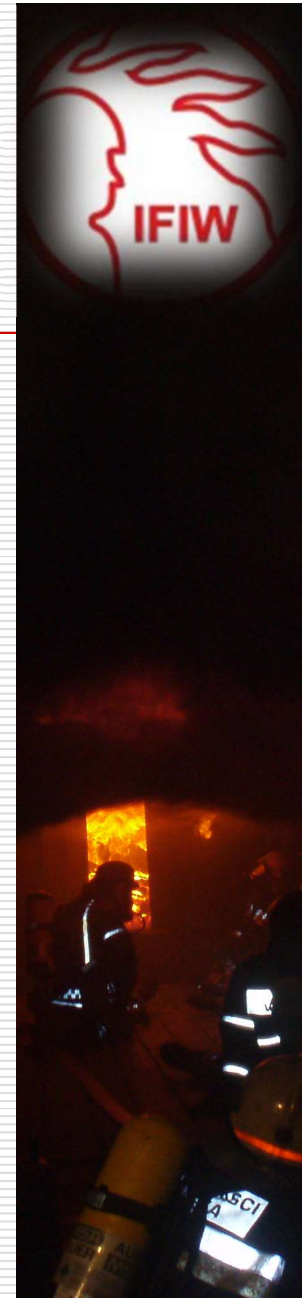
Something was wrong...

- ❑ Too tightened training schedule;
- ❑ Not enough time to discuss things:
 - NO FEEDBACK!



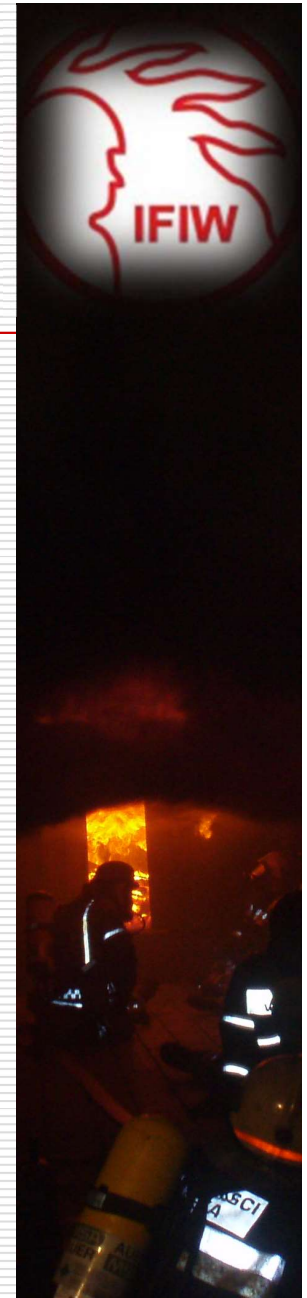
Students...

- They were struggling...
 - Hanging between the need to learn and training tempo;



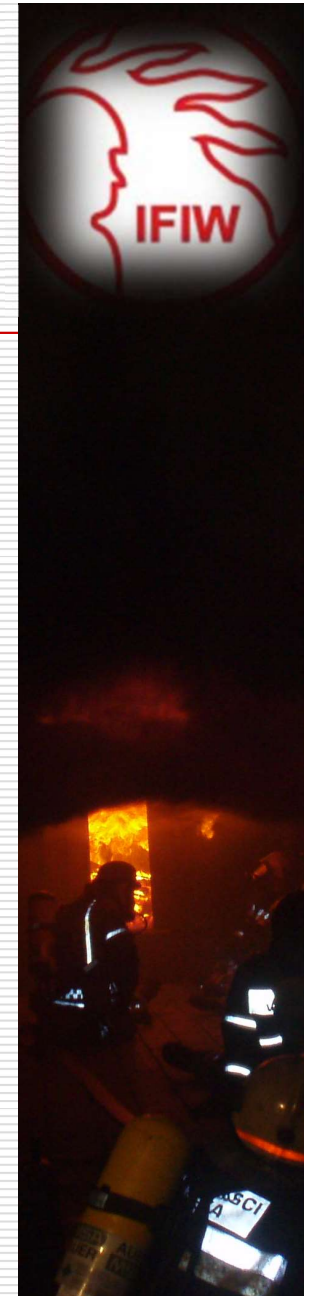
Something was wrong...

- Is there anything else we can do with the training program?
- Is there anything else we can do with our approach?



That „pole” position...

- ~~„If you work in dangerous condition so you should train!”~~



Safety First!

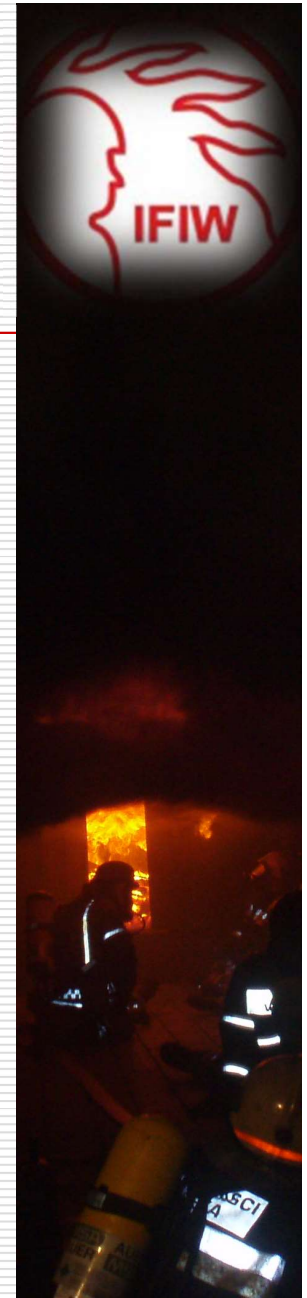


Different approach?

□ Instead of straight

SUPERIOR – SUBORDINATE

relationship...



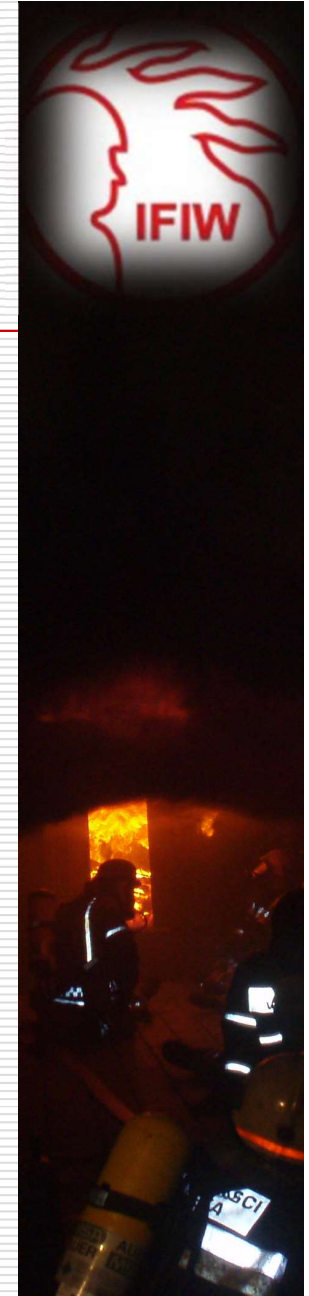
...we have created...

□ ...more friendly atmosphere...



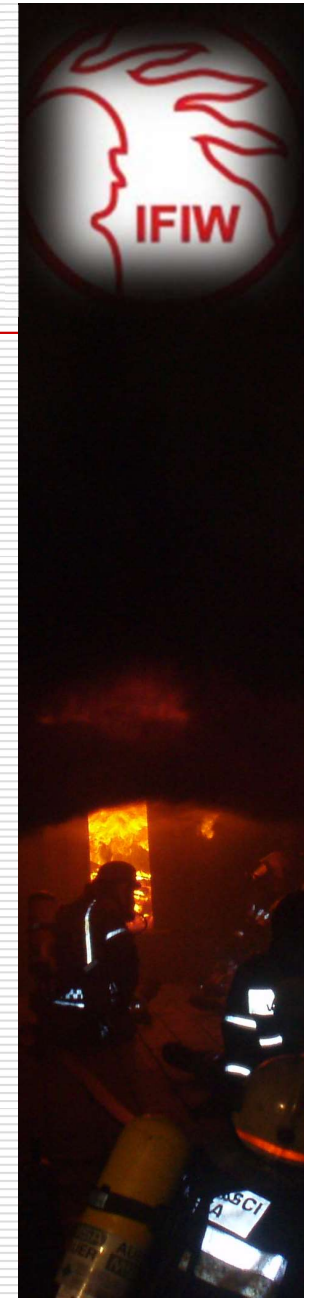
What do we want from our firefighter?

- To wonder what this is?
- Or to be proactive based on understanding?



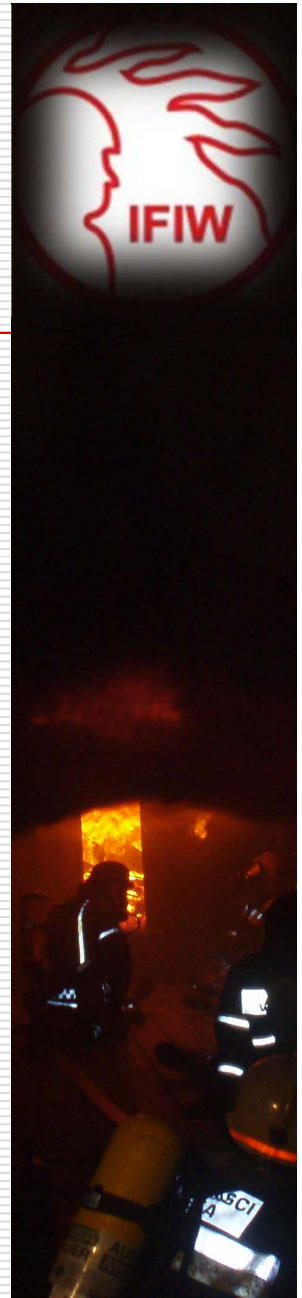
Because, if they don't understand

- ❑ They will do it wrong...;
- ❑ ...and they will pay for it!!!



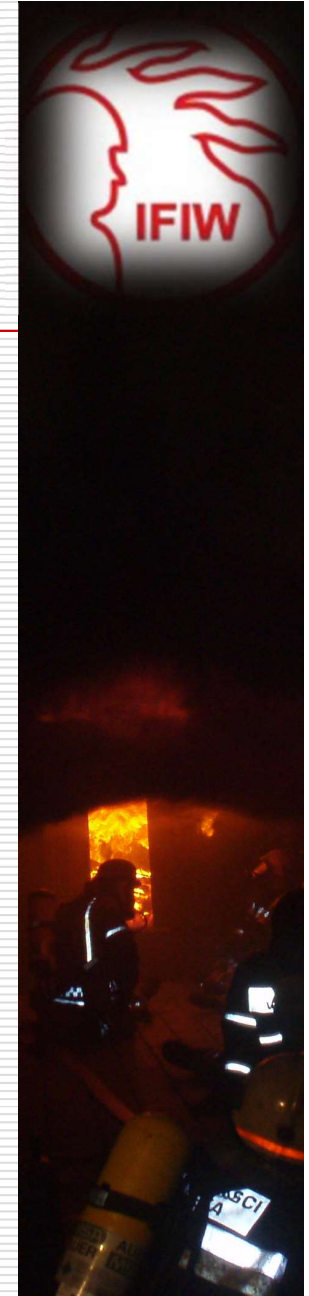
And how do we know they understand?

- Debriefing;
 - Two way communication;



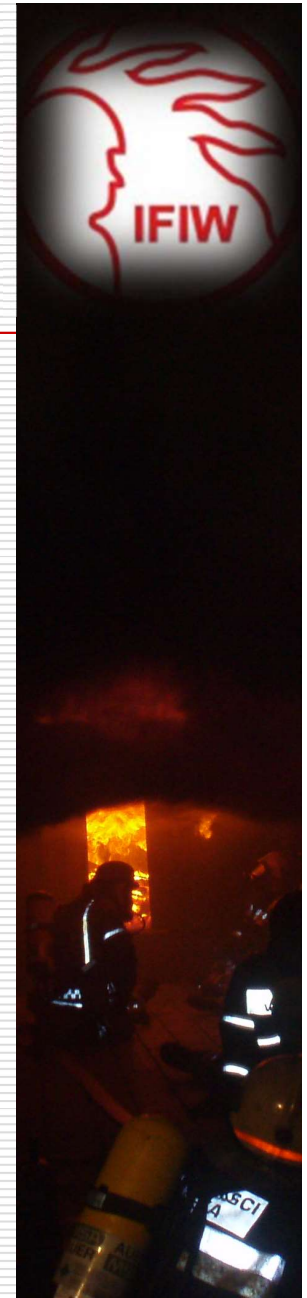
What about instructors?

- During the training and after the training was finished...
 - Is an exhausted instructor a good example?



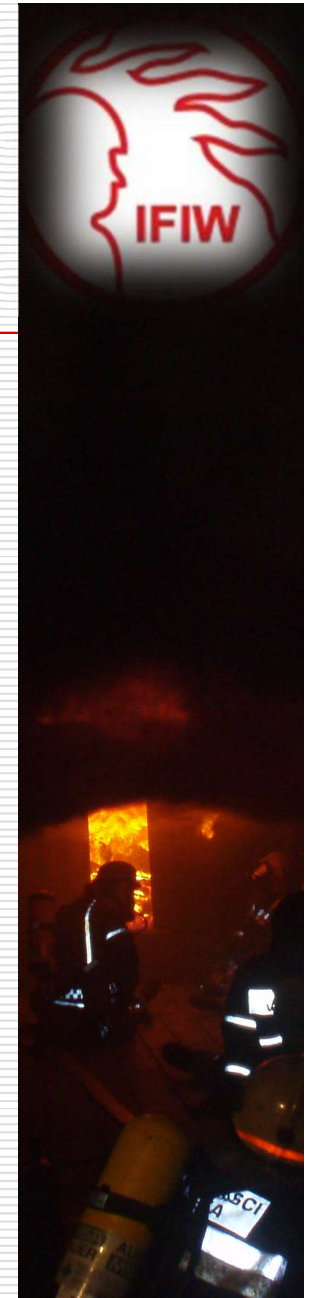
Where is the problem?

- Ego? I think I can do it better (longer)!
- Same way as instructor HAVE TO think about students exposure, HAVE TO think about his/her heat exposure!
 - It is about responsibility!
- „Time keeper”;



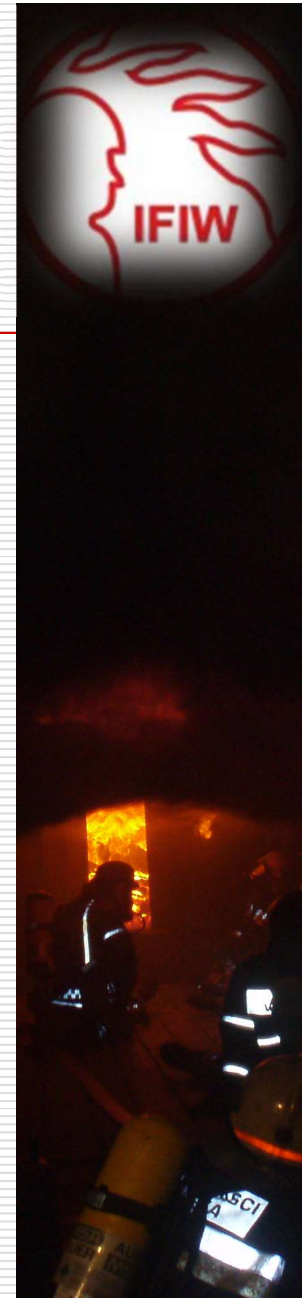
Long way to go...

- ❑ Industrial hygiene our top priority;
- ❑ Need for culture change;



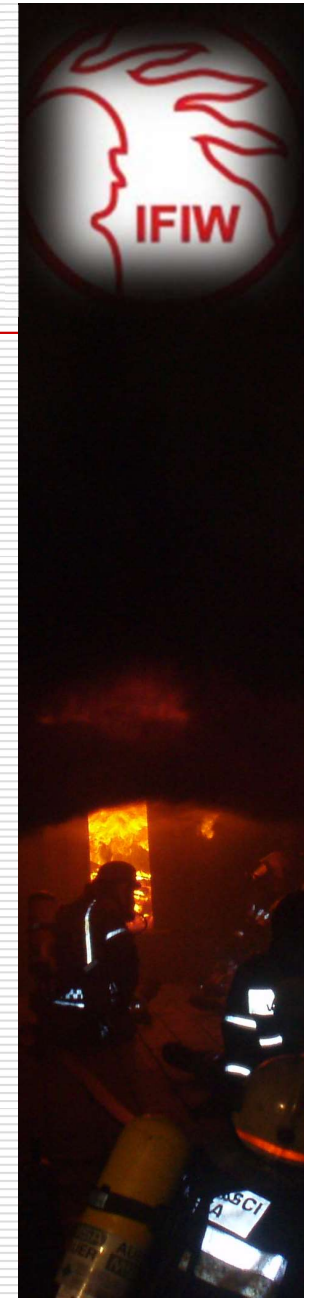
We are moving...

- ❑ Washing facility;



Improvement..

- A neverending process;



Thank you for your attention!

