

## Laser Blinding...

Structure and latest results from our  
research project at the  
**Laserzentrum FH Münster (LFM)**

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15.11.2014



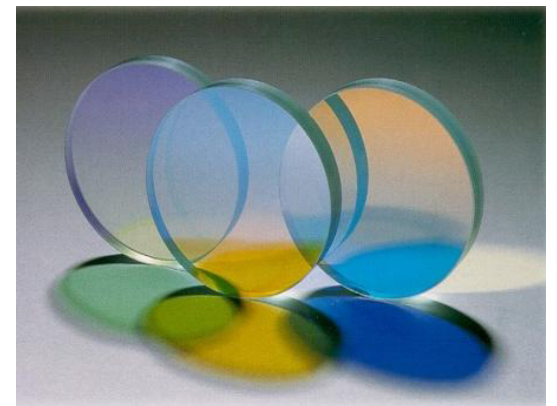
## determine measures / intermediate data

- PPE: laser protection glasses  
laser protection vizor (Distorted reading of instruments)



## Determine measures / intermediate data

- Technical solutions:
  - Coating of screens with dielectric interference coatings
  - Disc material with absorber layers for specific wavelengths
  - night vision camera (low acceptance while testing with military staff)



## future prospects

Electro-optical sensor with spectral and spatial filtering – with very quick reaction time - is tested by the federal police flying squadron for protection visors.

Next step is the testing of this equipment in coating sheets for screens. Results will follow....

**BEST: prohibition / restriction on the import, sell or ownership of lasers above a certain power unless authorised (response to the market surveillance by government)**

## the end is near 😊 . . . . . .. ...

- actually the final report isn't still ready
- more activity from the government for import
- higher punishment for criminal offence
- more technical solutions from the industrial manufactures

## published standards

<b>1915 – 1</b>	<b>Basic safety requirements</b>
<b>12312- 1</b>	<b>Passenger Stairs</b>
<b>12312 - 2</b>	<b>Catering-Vehicles</b>
<b>12312 - 4</b>	<b>Passenger Boarding Bridges</b>
<b>12312 - 9</b>	<b>Container/Pallet loaders</b>
<b>12312 - 12</b>	<b>Potable water service equipment</b>
<b>12312 - 13</b>	<b>Lavatory service equipment</b>
<b>12312 -14</b>	<b>Disabled/Incapacitated passenger boarding equipment</b>

\* proposed publication by CEN and national standards bodies

Thank you for your attention!

Any questions?