



PRESS RELEASE

Safer and more economic street lighting by photocatalysis –

Frankfurt/Main, May 7 2012 – **The German Federation for applied Photocatalysis (FAP) plans to introduce the application fields of photocatalysis in short contributions. This press release covers the photocatalytic coating of lighting surfaces.**

Good lighting in cities and communities goes along with well-being. Local authorities and private house owners would like their real estate to be casted in the right light. Visitors and users want to move free and safely. This causes cost for owners during construction and cost for maintenance. Why: the light intensity of street lighting decreases by 3% p.a. due to soiling, making “protection against threats“ (DIN 5044) more difficult, and therefore already has to be taken into account in the planning phase. Innovative lighting systems focus on long-life, energy saving lamps – but there was only one solution to soiling in the past: cleaning. Unfortunately, the cleaning intervals were shorter than the lamp life time. But now, there is a way out:

Hydrophilic coatings based on photocatalysis provide a self cleaning effect. No more additional cleaning is required within the maintenance interval of the lamps. Thus, the savings potential of the LED technology and other long-life lamps can be used to full capacity.



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