



Spectacular lighting – welcome to our world

LIGHT & LIFE | LOWERABLE SYSTEMS





## Europoles – innovative lighting systems with Swiss precision

*Airport Halle-Leipzig/Germany*

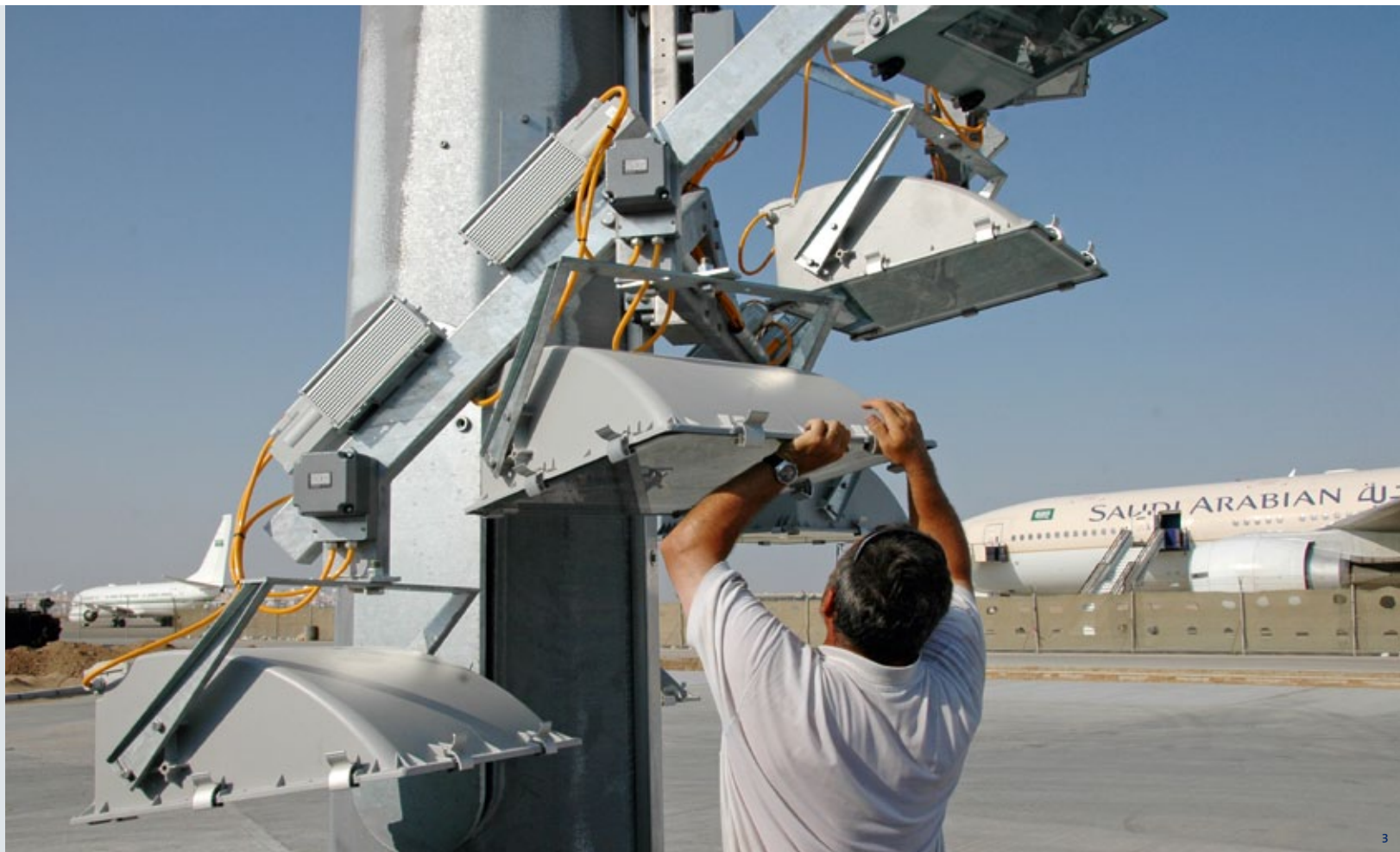
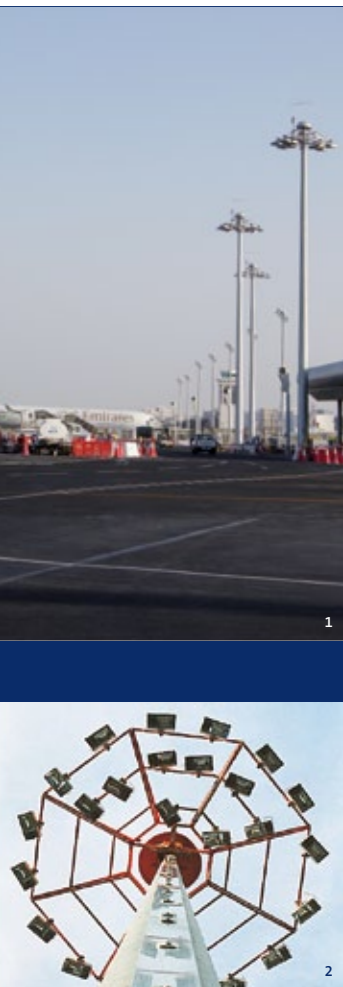
Illumination systems from Europoles have convinced users around the world with their efficient lowering capabilities. Floodlight mounts are simply lowered to the ground for service and maintenance – which not only reduces costs, but also enables fast and safe equipment handling without interrupting operations.

Illumination systems from Europoles combines the precision of Swiss mechanical engineering with pole technology “Made in Germany.” This combination is the perfect solution, wherever artificial light is needed on large areas.

Europoles is the world’s technology leader in the development, production, assembly, as well as service of maintenance-friendly floodlight mounts. Our lowering system is based on two decades of innovation and experience in cableway and cable-hoist engineering.







# Innovation at the very top level

(1) Doha International Airport in Doha, Qatar  
(2) Zurich Airport, in Switzerland  
(3) Royal Terminal at Jeddah Airport, Saudi Arabia  
(4) Airport Halle-Leipzig, in Germany

## Lowering systems

Lowering systems for lighting facilities are indispensable at many outdoor locations – especially for taxiways, aprons, and ramps at airports, and in regions with extreme weather and climate conditions. With lowerable systems, replacement of defective lamps or the cleaning of floodlights means no restrictions whatsoever on operations being

carried out. Repairs or service can be performed easily and comparatively fast on the ground.

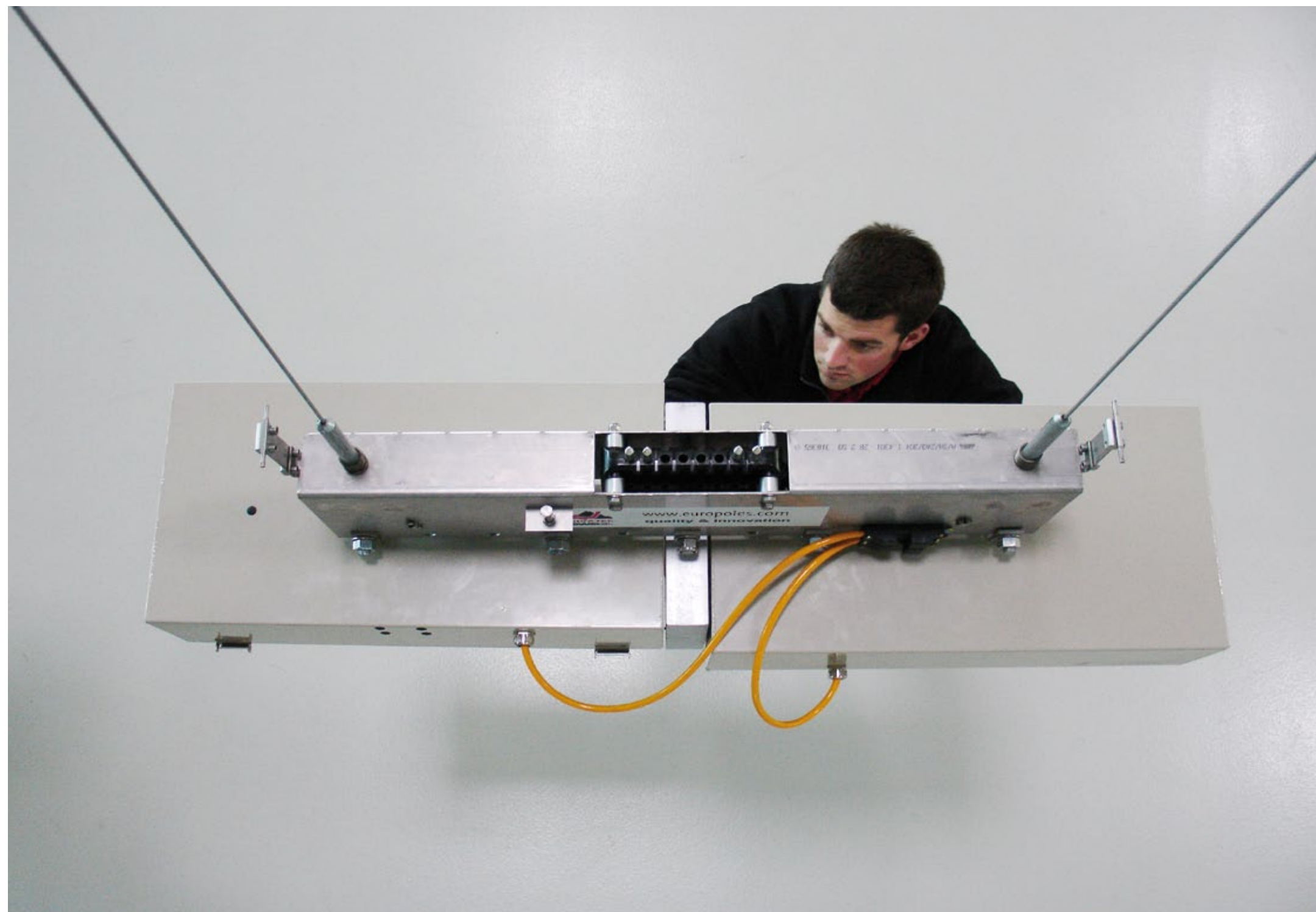
Europoles lowerable floodlights eliminate the need for cherry-pickers or mobile cranes, which cost time and money.

With Europoles lowerable systems, in addition, there is no need for climbing equipment and fixtures – which can prove problematic, especially in sensitive security areas. Mounting systems from Europoles can lift loads up to 3,500 kg. Our lowering system can also be retrofitted to existing floodlight poles.

## Your advantages:

- No need to tip down the poles
- No interruptions – operations continue without restrictions
- No need to block off large areas on the aprons and ramps
- One-sided cantilever operations without counterweights are possible  
» Lowering capability also during windy conditions
- Great flexibility in design of floodlight mounts
- Operation by only one person
- Power supply via plug-in contacts – no need to bring cables
- Simple attachment of additional equipment possible (for example, cameras, aviation obstruction lights, loudspeakers, etc.)





## Europoles also brings light into hangars

### Light lowering devices (LLD)

No matter how high your hangar or industrial hall is – with Europoles you don't need special equipment such as

cherry-pickers or lifting platforms to work on your lighting units.

LLD is a lowering system for indoor lighting units. To allow lowering, electrical contacts connect the hoist unit

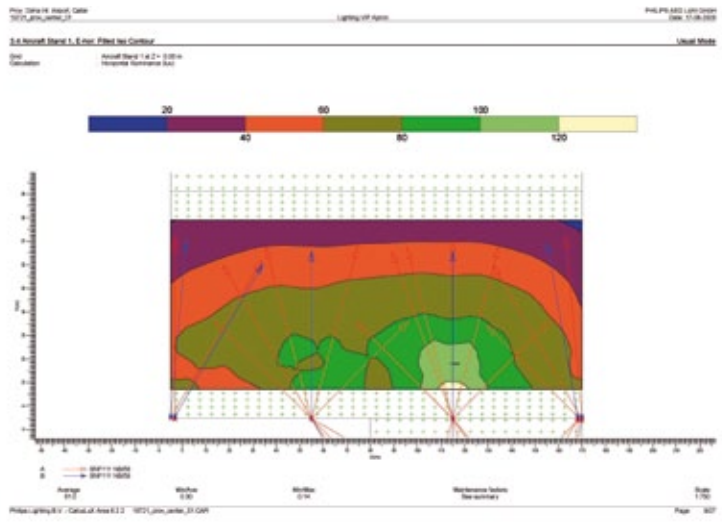
with the floodlight mount. The patented Nivatec LLD luminaire mounts are simply lowered to the ground at normal working height, and are serviced there.

Only one person is needed. A coupling interface assures maximum safety.

### Your benefits:

- Application possible in high industrial halls and buildings such as airplane hangers, trade-fair buildings and indoor sports arenas, stadiums, and factories
- Service and maintenance work without special equipment
- No need for special personnel without fear of heights: one person suffices
- No moving electrical cables
- Suitability also for mounting surveillance cameras





Our services include the following:

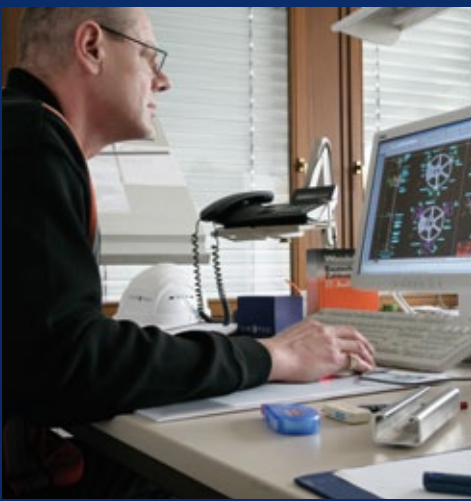
- Preparation of detail design and construction drawings
- Individual calculation of lighting requirements for your system
- Design engineering of the floodlight-mount systems and additional attached components

Assembly and service

Our highly qualified assembly teams have routine experience in working under the most difficult of conditions: with cherry-pickers, assembly towers, or helicopters. In any case, we fully instruct your team on how to handle the lowering system.

To assure that your lighting system will have the maximum life cycle, you can turn over all your after-sales services to Eurocoles for your lighting facilities.

Eurocoles is specialized in the service and maintenance of towers and poles of all kinds. Your one-stop supplier.



... competence from the international technology leader

Engineering-design and planning services

Our experience and comprehensive know-how in the field of airport equip-

ping and upgrading make us specialists in the floodlight systems you need for airport taxiways, aprons, and ramps. We provide you with consulting in the selection of the installation sites and of the optimal system for your

requirements. We also take care of the planning and engineering design of your systems. On the basis of your required illuminance levels, we can prepare a customized illumination plan.

(1) Terminal 2 at Munich Airport, Germany  
(2) Example of computer-aided lighting design  
(3) Terminal 2 at Munich Airport (ramp 3), Germany  
(4) Incheon International Airport, near Seoul, Korea





#### FRP poles for your airport infrastructure:

Europoles offers you high-tech poles and towers made of FRP (fibreglass reinforced plastic) for airport taxiways, aprons, and ramps. Our poles assure maximum passive safety: in case of a collision, they simply bend and fall over, without producing sparks – in conformity with ICAO regulations.

#### Poles and towers for all applications:

- Runway lighting systems
- Glidepath antenna poles
- Localizer systems
- Near- and far-field monitor poles
- Wind-measurement poles



Terminal 2 at Munich Airport (ramp 3), Germany.

Hand in hand ...



#### Your benefits at one glance:

- Planning and execution of all project stages
- Turnkey solutions: central project supervision from A to Z
- Our own structural-engineering and design department
- Assembly and service undertaken by Europoles for you
- Maintenance and repair of your systems
- Assurance of quality by our QM system certified in accordance with DIN EN ISO 9001:2000

WITH EUROPOLES: INTO THE CLOUDS, BUT STILL DOWN TO EARTH

... with your experts for lowerable lighting systems

Throughout Europe and the world, the name Europoles stands for poles and towers at the highest level. Project and sales offices, as well as several production plants in Europe, plan and execute mounting systems for the following competence areas:

At Europoles, innovation combines with tradition and know-how with the experience of committed experts. The result: added value in quality and performance. Whether made of steel, concrete, or glass-fibre reinforced plastic: We get excited about poles and towers.

- COMPANY
- LIGHT & LIFE
- ENERGY
- COMMUNICATIONS
- SURFACE & DESIGN
- MOBILITY
- BUILDINGS & SECURITY

