



Make your infrastructure  
safer and more sustainable  
with Pole Products



Hydro offers maintenance friendly and sustainable aluminium light and traffic poles for your urban, rural, national roads and railway infrastructure.

[hydro.com/poleproducts](https://hydro.com/poleproducts)

# Strengthen an urban city plan with unique light poles



## Custom light poles

The features, functions and appearance of your urban landscape require customization. Hydro designs and supplies unique light poles that complete the environment. All of our light poles comply with EN 40 and are produced in conformity with ISO 9001 and ISO 14001 standards.

The corrosion resistance of aluminum is excellent. It is not necessary for aluminum poles to have a surface treatment to last more than 50 years. Our broad product range of light poles are brushed finish as standard.

However, when a street scene requires a certain colour or design we have options. Anodizing gives a tough, attractive finish in different colours. With Decoline you can have the aluminum pole with any decorative pattern or design. Qualicoat standard powder coating guarantees colour fastness in any RAL with durable protection against weather and UV radiation. We can also provide anti-graffiti, anti bill stickers and anti-climb finishes.

Urban landscape with custom made poles

# Save costs on maintenance and traffic management



## Hinged poles

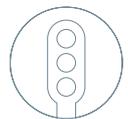
Signal, lighting and camera poles regularly require maintenance in places with busy traffic, on train stations and even near rail works which could cause delays and unsafe situations. To be able to perform these works in a safe, fast and cost efficient way, we deliver maintenance friendly raise & lower poles, called HiLo. Aluminum is light weight and these poles can be moved manually. There won't be any need for working at height. This avoids dangerous situations and minimizes costs as there is no longer any need for working platforms or lifting equipment.



hiLo

HiLo poles can be lowered by hand to do maintenance

# Improve traffic flows and security in public spaces



## Standard and customized traffic poles

The volume of the traffic on the roads and public spaces increases by the day. To improve the safety of road users it is important to regulate and control the traffic flow with traffic regulation installations (TRIs). Hydro offers traffic signal poles, sign posts, cantilevers, gantries and push-button poles, standard models and customized solutions.



TRIs for every situation, standard and custom made



Sustainable sign posts

## Easy installation of sustainable sign posts



### Lightweight sign posts

Just count the number of rusting and peeling sign posts you see on your commute! Have you ever thought of aluminum when purchasing static or dynamic sign posts? Aluminum sign posts are an excellent alternative to traditional steel poles. They are significantly lighter with no concessions to strength. Corrosion resistant, they have an extended life expectancy and can also be passive safe.

## Lower energy costs and increased urban efficiency



### Multifunctional poles

The next time you walk through your city, count the number of poles you encounter. Most of these poles only do one thing. With smart functionality, you can have more applications combined on one pole:

- Lighting
- Signage
- Decorative lights and baskets
- CCTV (video surveillance)
- Wi-Fi hotspots
- Traffic lights
- Power supplies
- Banners
- Security equipment
- Weather stations

It is possible to have software, electronics and sensors contained within the pole which can send and receive data. With this real-time data, you can for example optimize parking management and traffic flows resulting in fewer traffic jams and less CO<sub>2</sub>- emissions. Or you could use the pole as a charging point for electric cars. Multifunctional poles from Hydro are modular, flexible and fully recyclable.



Multifunctional poles for smart cities

## Increased traffic safety



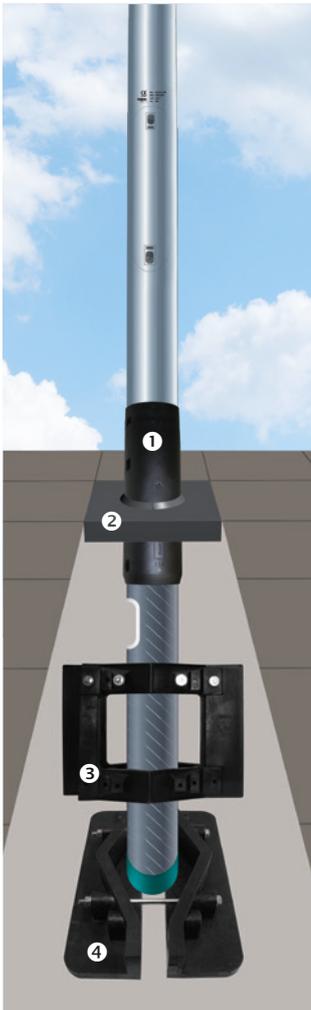
### Crash friendly poles

Small mistakes can have large consequences. Even at low speed a collision can be fatal. Hydro has been performing impact tests on their poles since the 70's. With a reputation for pioneering passive safety our columns can minimize the effects of an impact or even absorb the massive energy in a crash and bring a vehicle to a controlled stop lowering the risk of personal injury and increasing overall traffic safety.

- Collision class: HE, LE and NE
- Tested in accordance with EN 12767
- Certified according to EN 40 / EN 12899
- NE-B (formerly NE3) and HE-C (formerly HE3) poles with special integrated constructions



Certified passive safe poles



## Aluminium poles from Hydro



### Standard and custom-made

Hydro offers both standard and customized aluminum solutions. For outdoor lighting, multifunctional poles, flag poles and systems for traffic regulation installations.

### Lightweight poles

The weight of aluminum is approx. 33% of that of steel. The average weight of an aluminum pole of 6m high is about 20kg. Due to the low weight, there is less material needed and that saves installation and transport costs.

### Long lifetime

With over 70 years experience, we know our poles often last in excess of 50 years. With careful controls on metallurgy and an independently TUV tested root protection system, sustainability is enhanced by proven long life in extreme conditions.

Hydro offers various light pole accessories:

- ❶ Ground level protector
- ❷ Pavement-Mate
- ❸ Ground wing
- ❹ Base plate

### Fully recyclable and sustainable

Poles from Hydro are made from environmentally friendly materials and designed for complete reuse and recycling. In addition, you are guaranteed to buy a product from a company that uses green electricity and where CSR comes first.

### Social return

In ever more regions when aluminum poles are being replaced they can be returned to Hydro. We collect the poles, dismantle them and in cooperation with a return to work scheme (social return), we remelt the poles so they have an endless lifecycle.



### Circular poles

Our raw materials are completely reused without degradation in quality. Hydro was the first in the world



to supply light poles *Cradle to Cradle Certified™* silver (since 2011).

In addition to the light poles, the TRI solutions from Hydro are also *Cradle to Cradle Certified™* silver.

Are you responsible for the realization of a smarter and greener city, council or rail infrastructure and you want optimal use of infrastructure and energy?

Please contact Hydro to discuss how we can help you to design, maintain or select the right poles for your environment.

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Hydro is a global supplier of aluminium with activities throughout the value chain, from bauxite extraction to the production of rolled and extruded aluminium products and building systems. Based in Norway, the company employs 35,000 people in more than 40 countries. Rooted in a century of experience in renewable energy production, technology development and progressive partnerships, Hydro is committed to strengthening the viability of the customers and communities we serve.