

## Unique design ensures controlled stormwater drainage



### Involucración Uponor



Uponor IQ pipes, Ø1000, 36m  
Uponor IQ pipes, Ø400, 60m  
Uponor chambers, 6 pcs.

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In Slagelse Municipality, there are requirements for the drainage of rainwater and wastewater to be separated, and therefore it was important that the wastewater solution on the street, Nordre Ringgade, was also updated in accordance with current legislation. The client has received an approved solution where the wastewater from the commercial property in no. 59 has been separated from the rainwater. The rainwater is now diverted directly from the 2,500 m<sup>2</sup> car park.

### Datos del proyecto:

Location	Finalización
Slagelse, Denmark	2021
Tipo de edificio	Product systems
Edificio público	Sewer Municipal, Storm water

## Colaboradores

Contractor: EMSC v/Michael

Christensen

Wholesaler: Brdr. Dahl

Suppliers: Uponor Infra A/S, Mosbæk,

Grundfos

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## The solution

The client was presented with a concrete solution and an alternative plastic solution, and chose to enter into a collaboration with contractor Michael S Christensen A/S, who in consultation with Brdr. Dahl recommended Uponor's plastic pipe solution. The plastic material has good flow properties and high abrasion resistance to e.g. sand and gravel, which often flow from the roads and end up in the gutter wells, where a filtration takes place.

- We estimate the plastic solution at approx. half the price of the concrete solution. This is partly due to a smarter and more flexible workflow, shorter delivery times, faster installation time and required less machine power to handle the lighter plastic materials. All these advantages were a huge benefit to us, as there was a requirement for a quick and flexible installation, where the excavation area was also limited for the sake of the parking lot's many users, explains contractor Michael Christensen, EMSC.

Uponor did the calculations to ensure the most advantageous dimensions in relation to the water flow and the system volume, and at the same time took into account the limited space on the area. This resulted in Brdr. Dahl and Uponor recommended an optimization of the original solution. A new rainwater pipe in 200mm was upgraded to 400mm, which allows storage of larger volumes of water, where a water brake regulates the discharge to a maximum of 1.5 l / s.



Uponor Hispania, S.A.U

Avda. Leonardo da Vinci 15-17-19  
Parque Empresarial La Carpetania  
28906 Getafe (Madrid)  
Spain

Teléfono +34 91 685 36 00  
Email [servicioalcliente@uponor.com](mailto:servicioalcliente@uponor.com)  
W [www.uponor.com](http://www.uponor.com)