

VDA® pipe System of Lareter

New water infrastructure for irrigation apple trees in Germany



196 hectares drip irrigation for apple trees regarding juice production for Sonnländer Bio Obst GmbH (company that produces and sells fresh fruit for the fresh market and for processing).

Description of the Irrigation System

Water is pumped from 4 wells and 5 drainage systems into a water tank. The underground pipe leads from the water tank to the fields.

The incoming pressure from the pumps in this system is approx. 6-7 bar, less for the drains.

At the outlets for the drip lines, they have about 2-3 bar. Water is taken from underground water, i.e. from wells and drains.

The water temperature here varies between approx. 7-15°C depending on the time of year.

Project	Expansion of the irrigation infrastructure
Location	Rostock - Germany
Items	VDA® Pipe System
Application	Irrigation
Year	2022 (first part) 2024 (second part – expansion)

Technical Details of the Project

- VDA® pipe system in PVC-A
PN 12,5 – Bar Length 6m
Ø 110 – 160 – 225
Total length 24.000 m

Advantages

- Maximized flow rate:** reduced pressure losses and optimized plant management costs thanks to the larger internal diameter with the same PN.
- Quick and easy installation:** Greater ease of handling and safety on site thanks to the reduced weight compared to other pipes of equal diameter and PN.
- Reduced installation times** and costs thanks to fast and reliable jointing technology (Forsheda gasket)



- Wells
- Well 4/2021
- Main line DN200 / 4500m
- Main line DN200 already installed 2670m
- Branch line DN100 / 2610m
- Branch line DN150 / 1188m

