

Topics and potential of ARIS

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ARIS GmbH

ARIS – the enterprise



Targets since 1997

Establish Rainwater Harvesting in large buildings

(e.g. Industry, Commerce, Hospitals, Schools, Airports, Railway Stations, Sports facilities, Agriculture, ...)



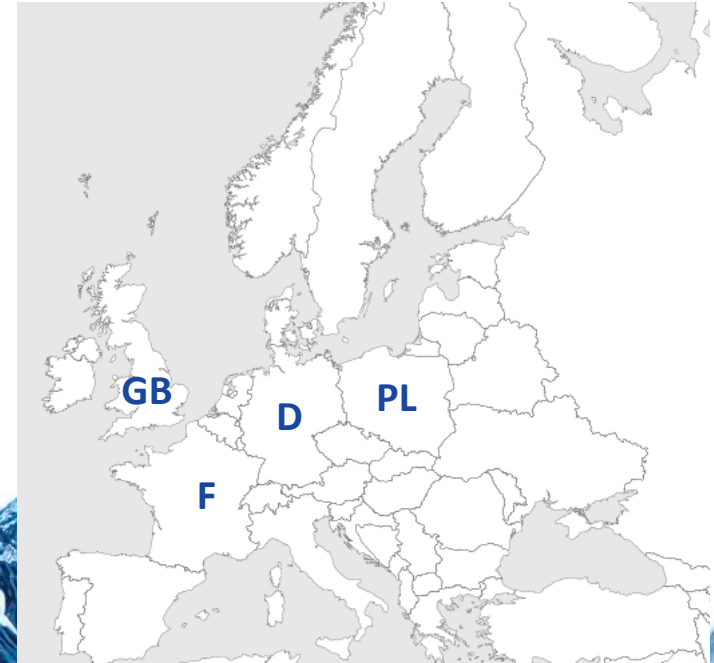
Human resource

- 28 people
- 50 % women
- 8 nations



Fields of activities today

- Rainwater Harvesting and Rainwater Management
- Holistic Rainwater Management combining water efficiency, microclimate improvement and flood prevention
- Greywater Recycling (incl. Heat Recovery)
- Fire Fighting Water Storage and Supply Systems
- Lifting Stations for Rainwater and Wastewater
- Separation Stations for the hygienic separation of Potable and Non Potable Water Systems



Infiltration

ARIS NiDA



Greywater recycling

ARIS BiOCYCLE



Intelligent cistern

ARIS SMART COLLECT



Rainwater harvesting

ARIS LUPO filter, ARIS LUPO cistern,
ARIS ARGUS R and ARIS XiON
rainwater units



Fire Fighting Water Retention

ARIS COLLECT



Fire Fighting Water Supply

Separation station ARIS ARGUS L,
Boosterpump system ARIS PiRANHA



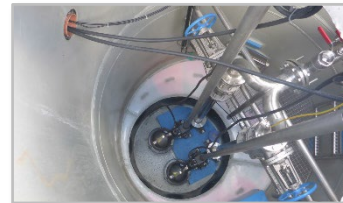
Fire Fighting Water Storage

ARIS COLLECT



Lifting Stations

ARIS LiFT, ARIS OPTiMAT



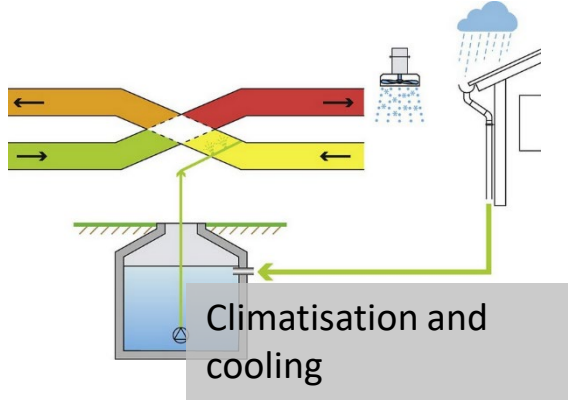
Rainwatermanagement

ARIS COLLECT, ARIS LiMiT, various
Treatment systems and flow regulators





Irrigation of roofs and facades



Climatisation and cooling

Applications



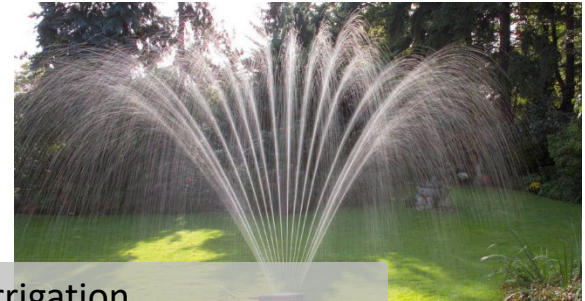
Cleaning processes



Toilet flushing



Carwash



Irrigation

Case studies rainwater

Cooling in drinking
glass production



Stölzle Weißwasser

Cooling and Cleaning



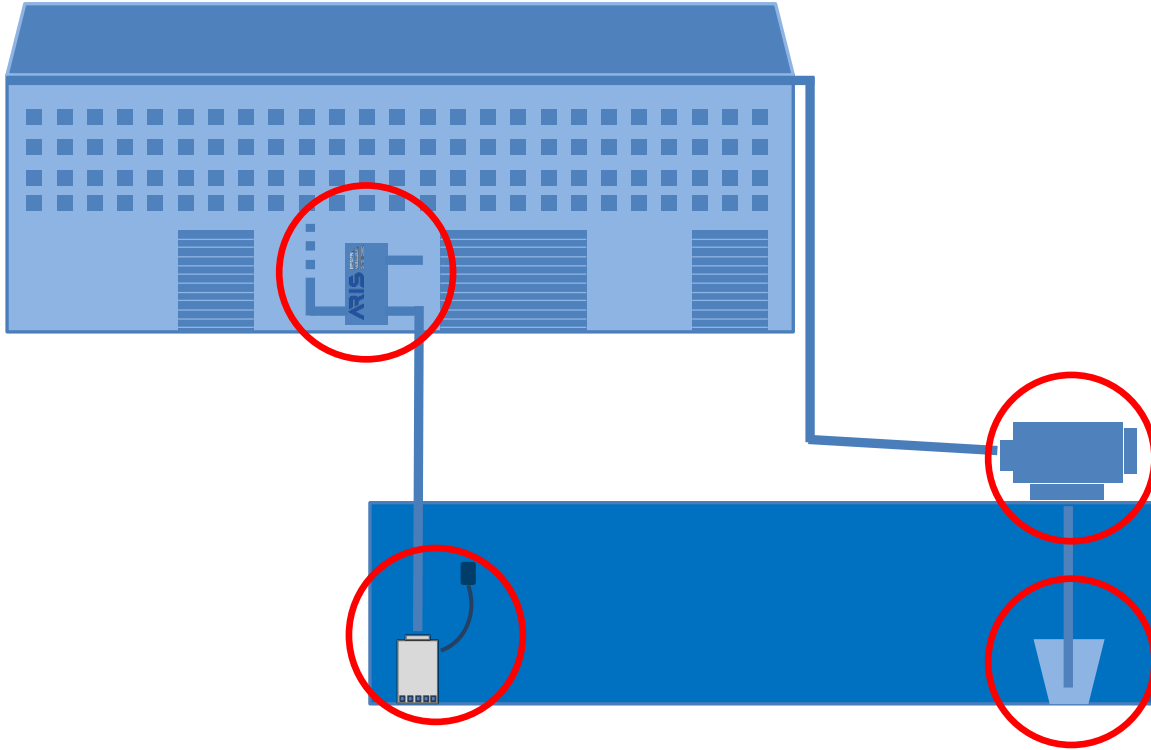
Tesco Avenmouth

Vehicle Washdown



Kärcher Cleanpark Dettenhausen

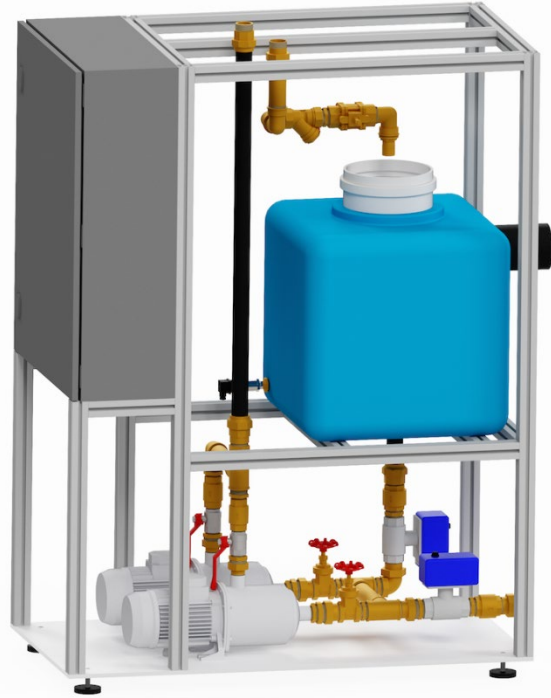
Rainwater harvesting system



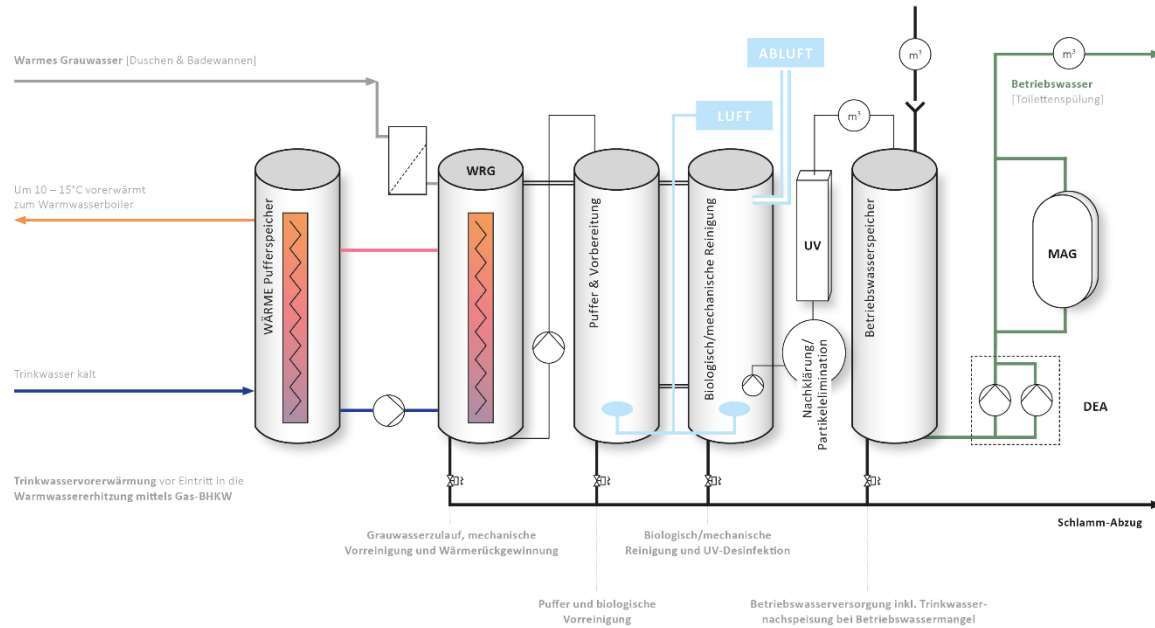




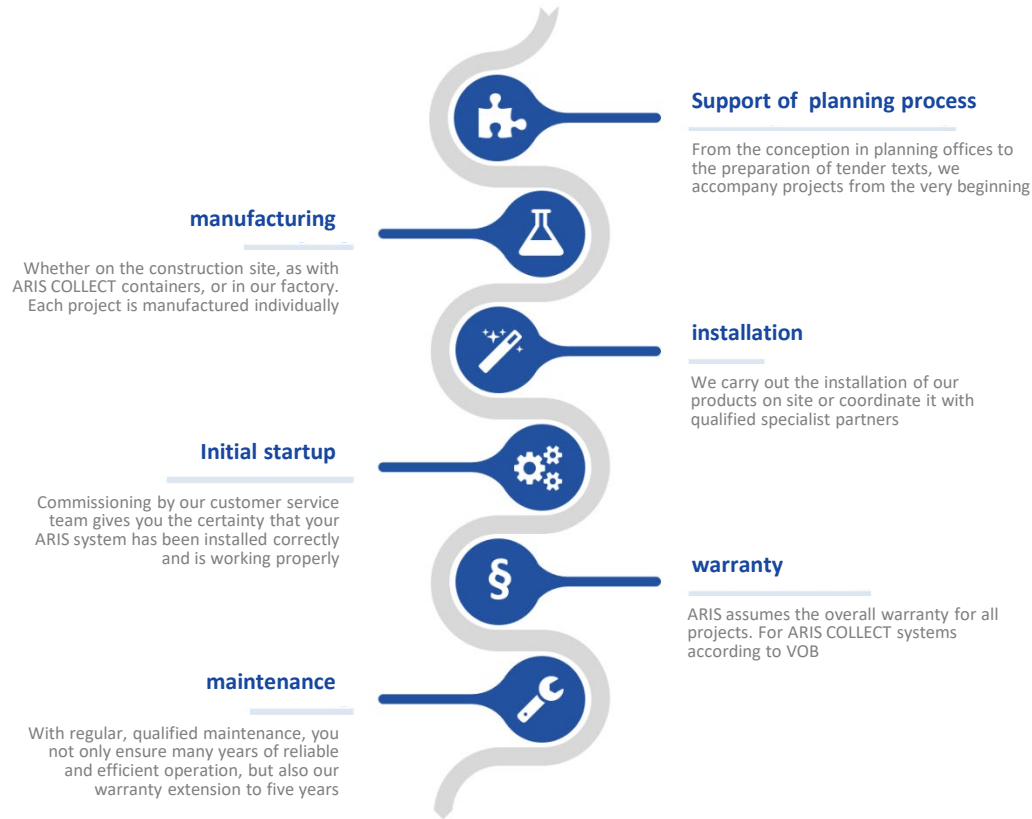
ARIS ARGUS R rainwater central unit



Case studies greywater



principles of operation from α to Ω



Who we are looking for



Direct project requests



Industry partners



Representational partner



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Water quality comparison

	Cistern water	Bathing water ¹	Convenience Salads ²	Mixed salads ²
Keimzahl 20°C	1.200/ml ⁴	- ³	-	50.000.000/g
Keimzahl 37°C	230/ml	-	1.000.000/g	-
E.coli	26/100 ml	2.000/100ml	1.000/g	1.000/g
Colif. Bakt.	198/100ml	10.000/100ml	-	-
Salmonellen	0/1.000ml	0/1.000ml	0/25g	0/25g
Staph. Aureus	0/100ml	-	1.000/g	-
P. aeruginosa	87/100ml	-	-	-

¹ EG-Richtlinie 76/160 EWG

² DGHM-Kommission Lebensmittel Mikrobiologie (DGHM, 1990, 1992)

³ Untersuchung wird nicht gefordert

⁴ Medianwerte

Quelle: Reinhard Holländer „Gesundheitswesen 58“ (1996)

Comparison of the amortization process

