

SAVE ENERGY AND MONEY

# JOULIA: SIMPLY CLEVER SHOWERING



JOULIA HAS BEEN  
AWARDED BY:



SWISS EXCELLENCE  
STIFTUNG



Design Preis Schweiz  
Prix Design Suisse  
Design Prize Switzerland

design  
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schweiz



CREDITABLE  
TOWARDS:

MuEn 2014  
Energienachweis EN-101b



MINERGIE<sup>®</sup>





# ABOUT JOULIA: A VISION BECOMES THE STANDARD

## From a prototype in Biel to the European market leader

It all began in 2010 in Biel with a simple yet revolutionary idea: why are we letting valuable energy disappear down the drain unused? This question led to the creation of the first prototype, which harnesses waste heat from shower water to preheat incoming fresh cold water. What started as a technological experiment has since evolved into the gold standard for decentralised heat recovery.

Joulia is the pioneer that not only helped build this market, but defined it. Today, we are proud to lead Europe in efficient shower drain heat recovery.



### Sustainability that pays off

Our vision is clear: every modern shower should feature a heat exchanger. Every day, we prove that ecological responsibility and economic profitability can go hand in hand. With a small investment, our customers significantly reduce their utility bills.



### In use worldwide – from single-family homes to hotels

Tens of thousands of installed systems now save millions in energy costs every year. Joulia's solutions are used worldwide – whether in single- and multi-family homes, hotels, fitness centres, or commercial properties.



### Swiss Made – quality you can trust

Joulia stands for Swiss engineering excellence and the highest standards of quality.



*“Joulia helps us cut running costs in our business, whilst ensuring our guests always have warm water.”*

— MARCEL HUBER, Director, Hotel Terrace

## FUNCTION

# STOP ENERGY LOSS – RIGHT AT THE SOURCE

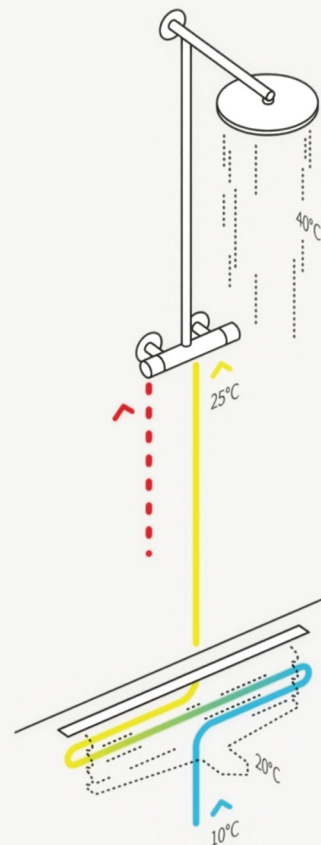
### Showering accounts for half of energy demand

In modern, well-insulated residential buildings, hot water requirements account for over 50% of total energy consumption. The lion's share of this – around 80% – goes towards showering. In hotels, sports facilities, or spa centers, these figures are even higher. With Joulia, you recover energy right where it was previously lost unused: directly in your shower drain.

### The conventional principle: waste by the second

The standard in many properties: a central heating system generates the required heat, which is then efficiently stored in thermal tanks for later consumption. This hot water constantly circulates through the building so it is immediately available at every tap. In a conventional shower, you mix this hot water with cold fresh water to reach your preferred temperature. Yet, after just a few seconds on your body, the precious, warm water vanishes into the wastewater forever – along with the energy that was painstakingly generated in the first place.

### How it works



Visit our  
website



### The Joulia principle: the small, clever detour

As soon as you turn on the water, the following happens:

1



The used, warm shower wastewater flows over the copper pipes of the heat exchanger.

2



Via these copper pipes, it transfers its heat to the cold mains water.

3



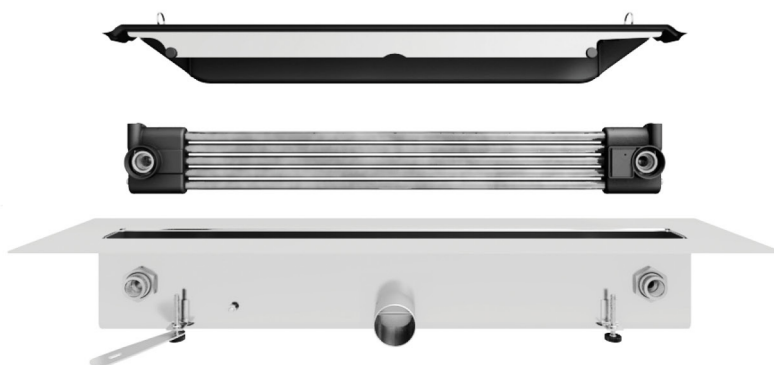
Within a few seconds, the mains water is preheated from around 10°C up to 25°C.



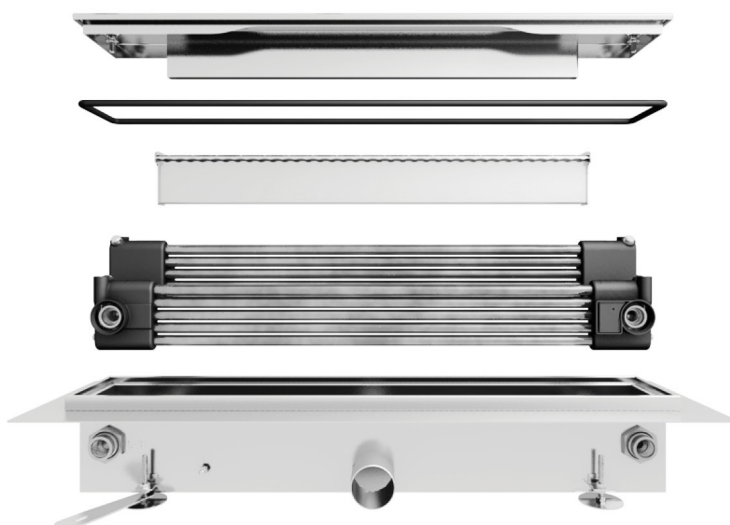
## Technology without compromise

The amazing thing about it: this process requires neither electricity nor moving parts, and is completely maintenance-free. Thanks to our patented design, your showering comfort remains exactly the same – with the only difference being that the mixer tap now needs to add far less hot water to reach your desired temperature.

### 3/5-pipe models for design



### 6/10-pipe models for efficiency



## ECONOMY AND ECOLOGY

# MAXIMUM RETURN FOR THE ENVIRONMENT AND YOUR BUDGET

### Simple solution for strict building regulations

Legal requirements for sustainable and energy-efficient construction are tightening worldwide. While standards like Minergie once broke new ground, mandatory regulations (e.g. MuKEn in Switzerland or GEG in Germany) are becoming a global trend. For developers and building owners, this poses a key question: Which measure offers the best cost-benefit ratio?

In numerous buildings, shower heat recovery is the simplest way to achieve noticeable energy savings and meet legal requirements highly efficiently.

### Savings with 5-pipe model

|                    |                     |
|--------------------|---------------------|
| 2-person household | > EUR 200 / year    |
| 100-room hotel     | > EUR 14'000 / year |

#### Assumptions\*:

- 1 shower per person / day
- ∅ shower duration (household) = 8 min 30 sec
- ∅ shower duration (hotel) = 12 min
- ∅ price per kWh = EUR 0.28



### Economically and ecologically unbeatable

Depending on the version, our products save up to 60% of the energy used for showering.

In single- and multi-family homes, this reduces energy costs by up to several hundred euros, depending on application. For large-scale consumers such as hotels, fitness centres, or spa facilities, savings quickly add up to tens of thousands of euros per year – figures verified by independent experts.

Sustainability that pays off quickly: thanks to heat recovery, the embodied energy of the shower channel is often offset within the very first year.

At the end of its service life, the heat exchanger is fully demountable and reusable.

\*We would be pleased to prepare a project-specific calculation for you.

## The solution to the hot water problem in the hotel industry

For hotels in particular, Joulia resolves a critical operational issue: managing peak demand. In a 100-room hotel, guests often shower at the same time before dinner after a day on the slopes or an excursion. With up to 200 showers taking place within a single hour, conventional building systems reach their limits – the hot water cylinder is depleted, water temperatures drop, and bad guest reviews are the inevitable result.

Instead of upgrading the entire HVAC infrastructure at great expense and loss of space, leading hoteliers such as the Hotel Schweizerhof Lucerne or the Hotel Terrace in Engelberg rely on Joulia. With a modest investment, they ensure that even the last guest can enjoy a hot shower.

## Leaner building services

An often underestimated advantage: by using Joulia, the demand for hot water drops so significantly that the entire building services infrastructure (e.g. storage cylinders, heat generators) can often be sized far more compactly. Many of our clients in multi-family housing and the commercial sector save enough on capital expenditure alone to achieve a return on investment (ROI) before the very first shower.

## Our trusted partners / references

Make a small investment with a big impact! What's more, our solutions are fully eligible for compliance with national standards such as MuKE, GEAK, Minergie, and SIA 385/2.

### NETWORK



### TIMBER CONSTRUCTION, GENERAL CONTRACTORS AND ARCHITECTS



### INVESTORS AND HOTELS



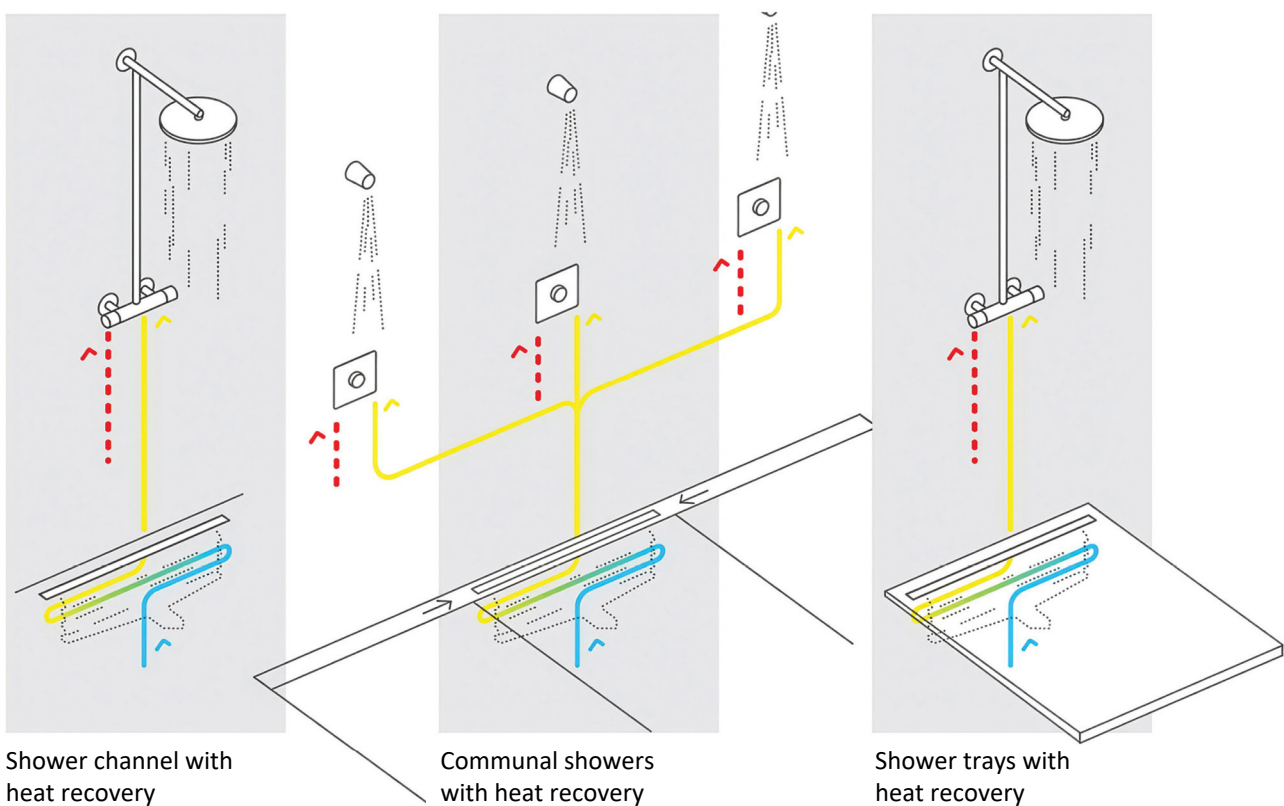


## INSTALLATION VARIANTS

# SUITABLE FOR EVERY INSTALLATION AND REQUIREMENT

### Whether new build or renovation – Joulia always fits

Integrating a Joulia shower channel is as flexible as your project. Our solutions are designed for maximum compatibility and work with virtually all floor coverings and spatial conditions. Whether centrally in the room or traditionally against the wall – the placement of the channel can be freely chosen.



### Strong partnerships for tailored solutions

To satisfy every design requirement, we work closely with leading manufacturers of shower channels and shower trays. Through these partnerships, we offer a wide spectrum of installation options that are technically perfectly matched. We cover every need – from minimalist design bathrooms to functional, large-scale facilities.



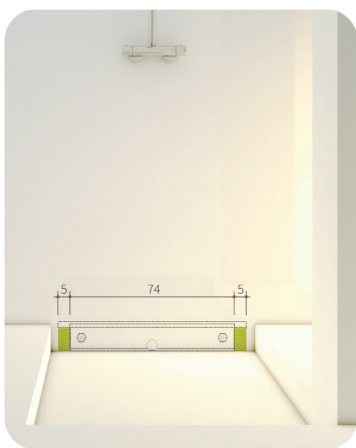




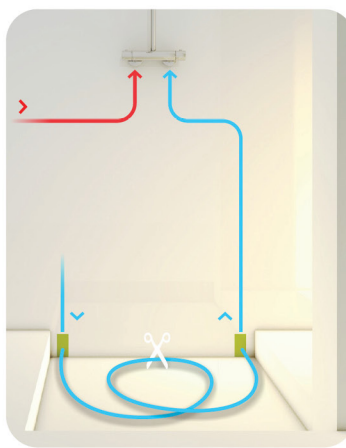
## INSTALLATION, CARE AND OPERATION

### Simple to install, efficient in operation

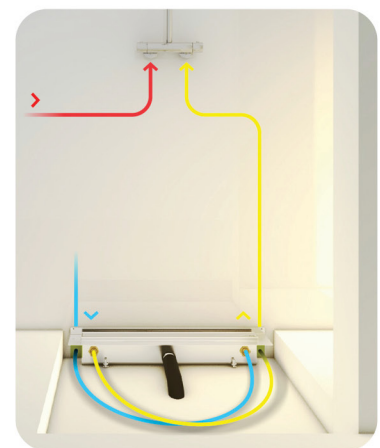
Installing a Joulia shower channel is as straightforward as it gets for plumbers. Compared to a conventional shower channel, the only additional requirement is routing the cold water supply through the channel. Our detailed guides make installation practically self-explanatory. For more complex, large-scale projects, our team is, of course, on hand to provide on-site advice.



PLANNING



CREATE A LOOP



CONNECT

### Low-maintenance, durable, and easy to clean

Joulia's purely passive technology requires no electricity or moving parts. This means: no mechanical wear and tear, and decades of reliability.

Furthermore, the system is exceptionally low-maintenance. When cleaning is required, the modular design ensures full accessibility to the channel at all times. The cover can be removed with a single motion, and the channel body is cleaned in no time.

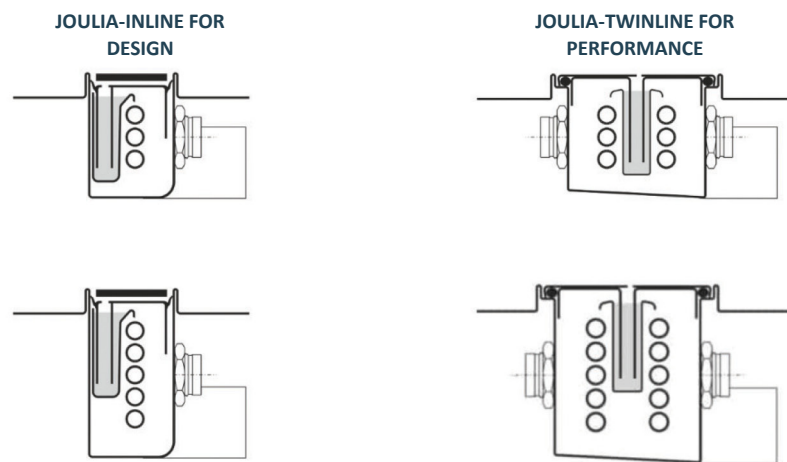
Even years after installation, individual components can be inspected effortlessly and replaced if necessary.

## OUR MODELS

# TAILORED PERFORMANCE

### The right version for every need

The Joulia shower channel is available in various performance classes. Our standard models are equipped with 3 or 5 copper pipes. For projects with particularly high efficiency requirements, we also offer high-performance variants with 6 or 10 copper pipes.

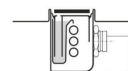
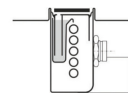
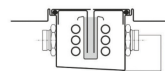
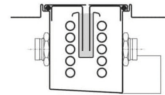
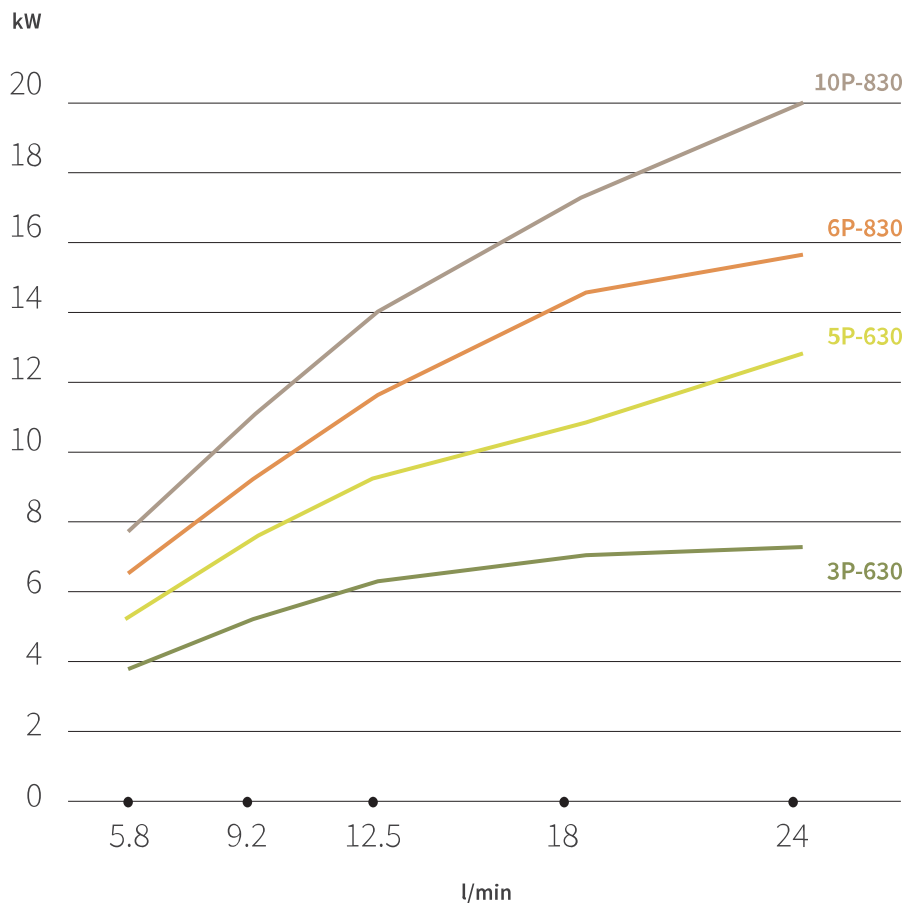
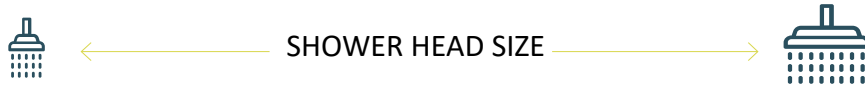


The simple principle applies: the more pipes in use, the higher the efficiency rate and the greater your savings. We would be pleased to advise you personally in order to find the technically and economically optimal solution for your project.

A powerhouse behind the scenes: An EV charging at a home wallbox draws a massive 10 kW of electricity from the grid. The Joulia shower channel achieves exactly the same output – but in reverse: instead of consuming energy, it salvages 10 kW of heat directly from the drain water.







#### High performance

Up to 20 kW of heat recovery – right beneath your feet.



#### Maintenance-free & invisible

No plant rooms, no wear and tear, no noise.



#### Small investment

Big impact for your wallet and the environment.



#### Built to last

Once installed, the system saves energy for many years to come.

## CERTIFICATIONS

### Safety and hygiene as a top priority

Fresh water and waste water never come into contact. Below are the key drinking water certifications we hold:

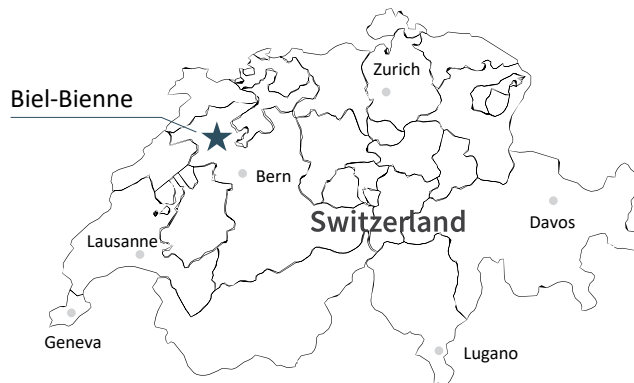
- **SVGW:** Switzerland & Liechtenstein
- **KIWA:** Netherlands & Belgium
- **DVGW:** Germany & Austria
- **KIWA KUKreg4:** United Kingdom (UK)



## WE MAKE SUSTAINABILITY PROFITABLE

Interested? We would be delighted to support you with your project.

**CONTACT US AT ANY TIME.**



**Joulia SA**  
Zentralstrasse 115  
2503 Biel-Bienne  
Switzerland

+41 32 366 64 22  
hello@joulia.com  
**joulia.com**





joulia<sup>®</sup>  
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