



**Perfect temperature for the production of glass components,  
thanks to hyper-efficient Indirect Evaporative cooling Climate Wizard**

**Johann Franz König**  
Glass production

**System installed**  
Indirect Evaporative Cooling System

**Supplier & Installer**  
SCHULTE-Industrieheizung GMBH

**Equipment & Configuration**  
8 x Climate Wizard CW3 - stand alone configuration

**JOHANN FRANZ KÖNIG GMBH & CO. is a company with over 180 years of experience, and recognized in the entire country for its expertise in all aspects of glass production. Their product portfolio includes glass panel cuts as well as glass doors, shower cubicles, roofs and railings.**

**Watch the video case study!**



**The project requirements**

Due to the increasing impact of global warming, which is becoming a widespread issue, it also became a concern for the company operating in their building, constructed in 1962. The temperatures inside the hall often exceeded 40° during summer, even when it was only 30° outside, making it impossible for the 30 employees to carry out their physical tasks effectively. To address this issue and create more acceptable working conditions, the company referred to Schulte-Industrieheizung GMBH to install a hall cooling system. The company was already familiar with Schulte's heating system, which had proven highly effective during the winter months. The goal was to reduce the hall temperature by at least 10°.

This presence in the hall of crane tracks and other space restrictions was causing additional challenges for the installation.

**The installation**

Other cooling systems were thoroughly evaluated, and a series of comparative calculations were conducted to determine the most suitable solution.

After carefully assessing various options, it became clear that innovative, hyper-efficient Multi-cycle indirect evaporative cooling by Seeley International offered significant advantages in terms of both efficiency and cost-effectiveness. Not only did it deliver lower operational costs compared to other alternatives, but it also provided optimal cooling performance.

The result was a noticeable improvement in the working environment, with employees expressing complete satisfaction. Ultimately, the company was able to implement the most efficient and economically viable solution, achieving the best possible outcome for all personnel involved.



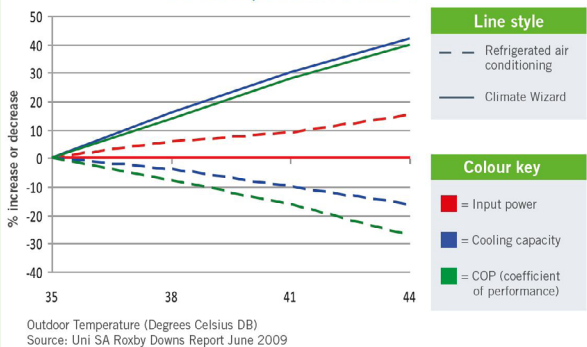
“The aim was to lower the hall temperature by at least ten degrees. This was in an old existing hall in which crane tracks run and other things also require space.

Of course, we also looked at other systems and carried out comparative calculations. From an economic point of view, evaporative cooling performs significantly better. The operating costs are also significantly lower and the result is such that the employees are completely satisfied and we have achieved the best possible result.”

Cornelius Trimborn,  
Managing Director - Johann Franz König



### Climate Wizard vs refrigerated cooling as temperature rises



## The Climate Wizard innovation

Climate Wizard indirect evaporative air conditioners utilize a highly efficient counter-flow heat exchanger to supply 100% fresh, cool air from the outside, without adding any moisture.

The cool air produced by Climate Wizard can reach temperatures similar to those of refrigerated systems, closely aligning with the ambient dew-point temperature. This makes it an excellent solution for industries like plastics, glass, and other sensitive materials, where precise temperature and humidity control is essential.

Not only does this system help lower energy costs, but it also offers environmental benefits. No matter how high the external temperature rises, Climate Wizard consumes the same amount of power while continuously providing fresh, cool air indoors. In contrast, refrigerated systems require progressively more energy as the outside temperature increases.

As the heat intensifies, Climate Wizard's cost-saving advantages grow, ensuring efficient operation even during the hottest periods. Additionally, Climate Wizard's cooling efficiency improves with rising temperatures, making it an ideal choice compared to traditional refrigerated systems. This capability makes it particularly beneficial for industries that demand stringent temperature and humidity conditions, such as those involved in plastic, glass, and similar sensitive material production.



**Improving Indoor Air Quality (IAQ)**



**Cool fresh outside air**



**Energy & Cost saving**



**No chemical refrigerants (only water used)**



**Sustainable technology**



**Easy to install and maintain**

**Learn more about  
The Climate Wizard**

[www.seeleyinternational.com](http://www.seeleyinternational.com)

[europesales@seeleyinternational.com](mailto:europesales@seeleyinternational.com)

**The Climate Wizard**  
By SEELEY INTERNATIONAL

Cat No. CW Case study Schulte 0325 REV A

**Seeley International France**  
320 Avenue Berthelot  
69371 Lyon Cedex 08  
France  
Phone: +33 (0) 472 7847 80

**Seeley International Italy**  
Loc. Policiano 72/H  
52100 Arezzo Italy  
Phone: +39 (0) 575 97189