



EK LIQUID COOLING SOLUTIONS

# FASCINATION WITH COMPUTERS SINCE 2003

Increased Computer Performance  
& Superb Aesthetics



# MILESTONES IN EK'S EVOLUTION

20 Years of Leadership in Thermal Balancing

2003

Edvard's dream finally comes true. He has successfully designed and machined his first water block prototypes named EK-1, EK-2, and EK-3.

2004

EK Water Blocks releases the very first sandwich-type Full Cover water block with a new WWA (Wave Water Accelerator) cooling engine. This product becomes the baseline for VGA Full Cover water blocks.

2009

EK grows fast and is the first to provide a complete set of components for custom loop liquid cooling. A renowned Cooling Configurator is then introduced, becoming the new industry standard.

2011

EK launches hydraulically balanced jet micro-fin design for VGA Full Cover water blocks, improving the thermal performance by several degrees and setting the benchmark for the industry.

2012

EK enters Enterprise and Server Market with the world's first water cooling solutions for NVIDIA® Quadro® and Tesla® series graphics and computing cards.

2014

EK moves into a brand new facility and introduces EK-Supremacy EVO - the new flagship performance CPU water block that further increases the gap between competitors.



# MILESTONES IN EK'S EVOLUTION

20 Years of Leadership in Thermal Balancing

2015

EK launches its first AIO liquid cooling unit – the Predator, setting a higher standard for performance and expandability while enabling pre-filling service of EK GPU water block add-ons.

2016

EK releases 100 pieces of Limited Edition Supremacy EVO water block, commemorating its 10th Anniversary with profits going to charity.

2018

Pre-built fully liquid-cooled Gaming PCs named EK® Fluid Gaming Systems are launched, as well as the Quantum line. EKWB also takes part in the IN WIN® 30th Anniversary Celebration by co-organizing a highly successful »Mod in Taiwan« live case modding event.

2019

The EK Mod Pit takes a different approach to bring modding closer to the general public. EK Classic line is released, as well as the new closed loop solution called EK-AIO. EK is the first in the industry to launch a chassis with an integrated distribution plate - the InWin 303EK.

• 2020





# EK VISION

Leading the Way in Improving Computers

## From Ordinary to Extraordinary

The key? We leverage innovative technologies and design to deliver a unique customer experience.

Our job is to make improvements. We start by asking ourselves what can be done better, we always look at the bigger picture and take a holistic approach. We think about the way to associate things, how to bring all ideas together.

That said, the most important thing is to have passion and enthusiasm. After this comes the vision. And of course, thanks to the professionals we surround ourselves with, all those ideas get brought to life.



Matjaž Krč, CEO (left)  
Edvard König, President (right)



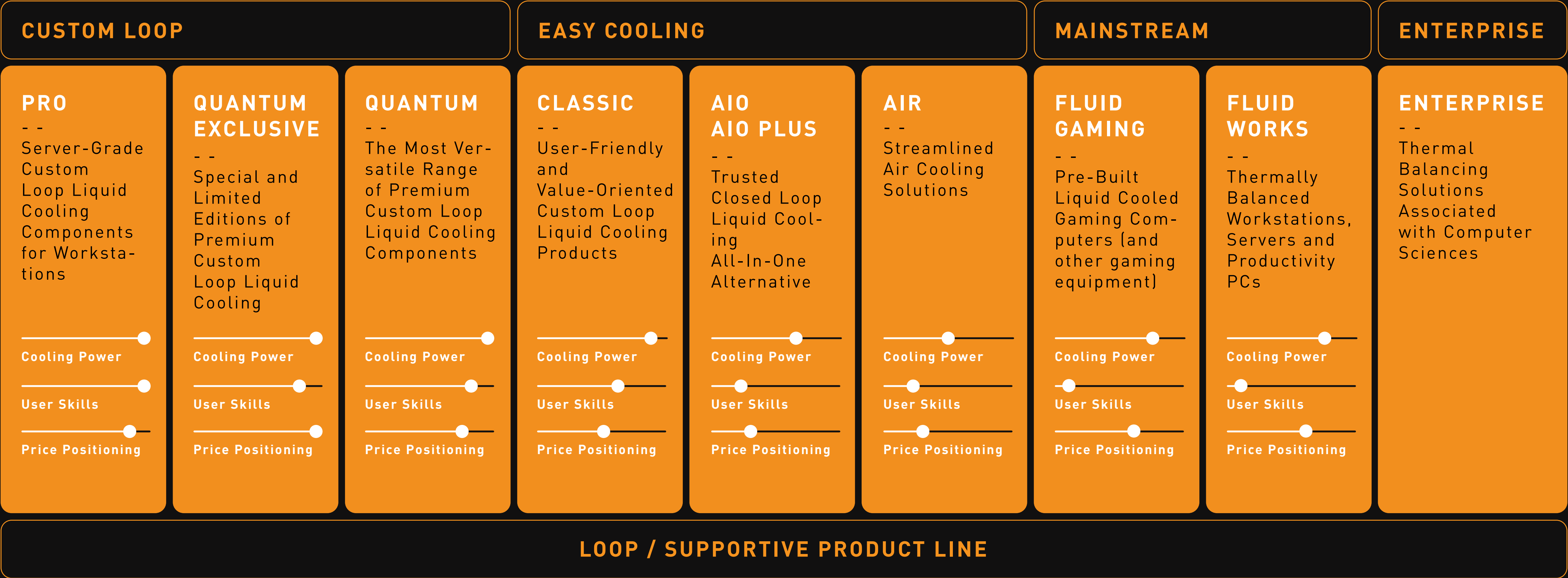
# EK PRODUCT LINE CATALOG

	PRO	QUANTUM EXCLUSIVE	QUANTUM	CLASSIC	LOOP	AIO	AIR	FLUID GAMING	FLUID WORKS
Gaming PCs									
Workstations									
Air CPU Coolers									
All-in-one									
Everything-in-one									
Kits									
Cases									
CPU Water Blocks									
GPU Water Blocks									
Distroplate									
Pumps & Reservoirs									
Radiators									
Case & Radiator Fans									
Tubing									
Fittings & Adapters									
Fluids									
Control Hubs									
Tools									
Spare Parts									



# EK PRODUCT LINE PORTFOLIO

10 Product Lines Structured Under 4 Business Units





CUSTOM LOOP  
Business Unit

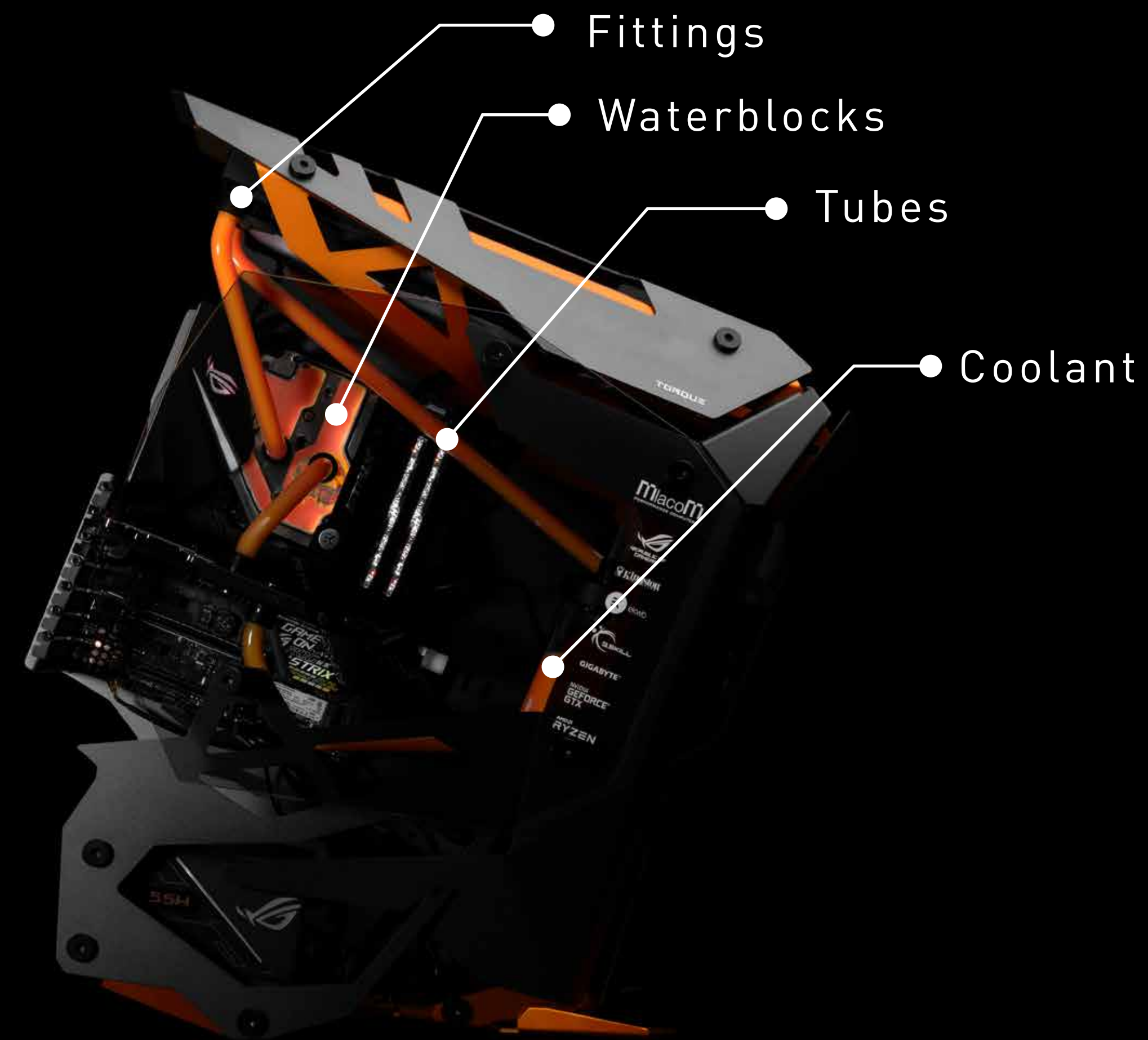


## EK® PRO

Enhance the Power of Your PC

EK Pro product line is meant for those who wish to buy components for servers and workstations. EK Pro is engineered with no compromise in quality, durability, and performance.

A robust, fully metal cooling engine is tailored-made to perfectly fit the extreme-performance hardware usually installed in workstations and servers to ensure low operating temperatures and reliability. It is also a great solution for enthusiasts to reach high yet stable overlocks.



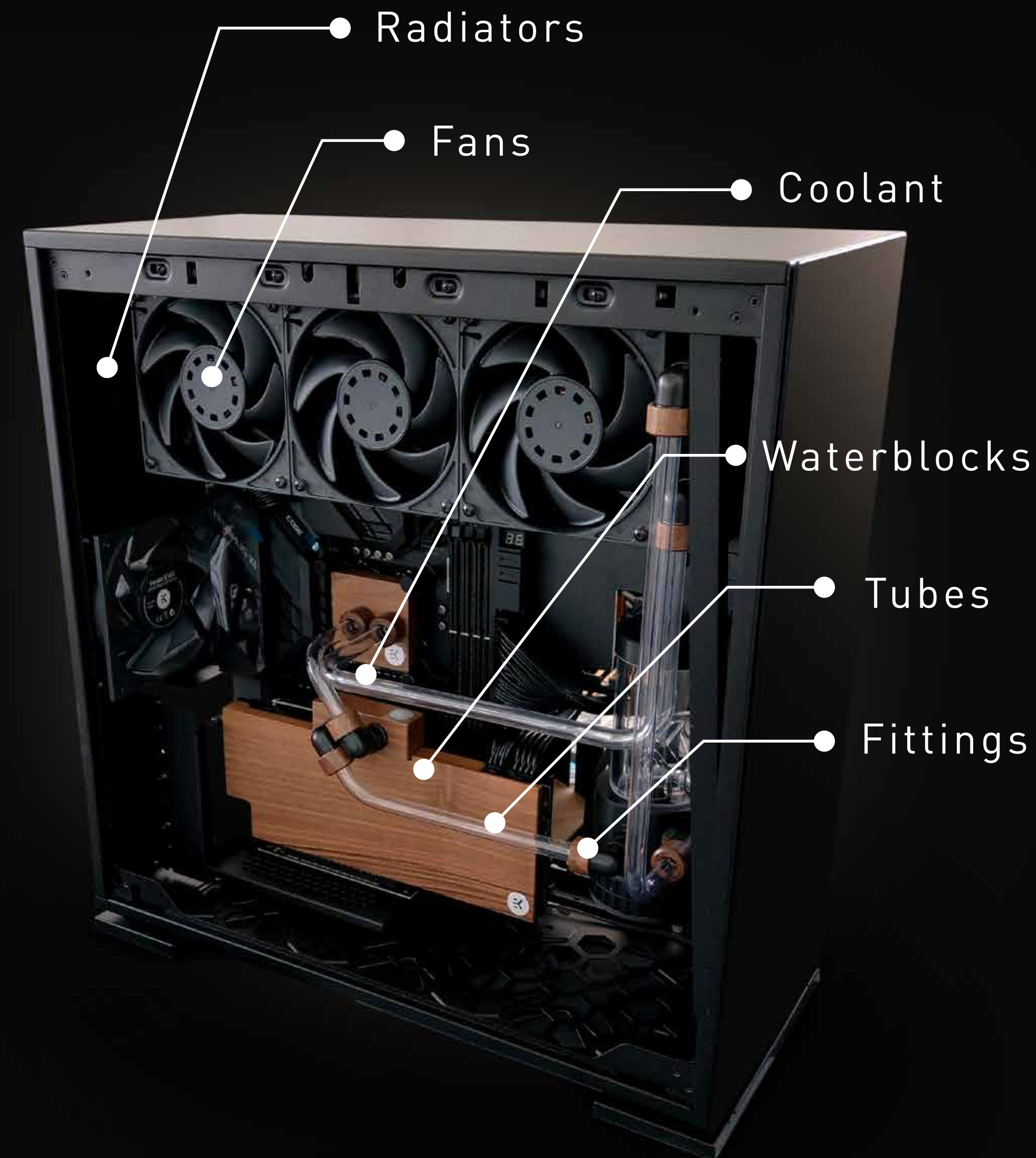
## EK® QUANTUM EXCLUSIVE

Luxury for Your PC

EK Quantum Exclusive is positioned at the very top of our product assortment, in the custom loop portfolio. It's addressing the most demanding computer enthusiasts. As part of this product line, we offer Special, Limited, and One-Off Edition products. With Quantum Exclusive, we're pushing the boundaries and introducing design innovations.

Our last product range within this line was a signature edition called Lignum, designed by Edvard König himself, the Founder of EK.

Lignum is composed of CPU and GPU water blocks, and fittings, with parts made of walnut. It was inspired by the love for wood-work and computer technologies, representing the perfect symbiosis of nature's building material and high-end hardware. EK Quantum Exclusive Lignum brings the opulence of wood into the PC, providing a cozy feeling of comfort and joy while keeping the computer silent and running at its maximum.





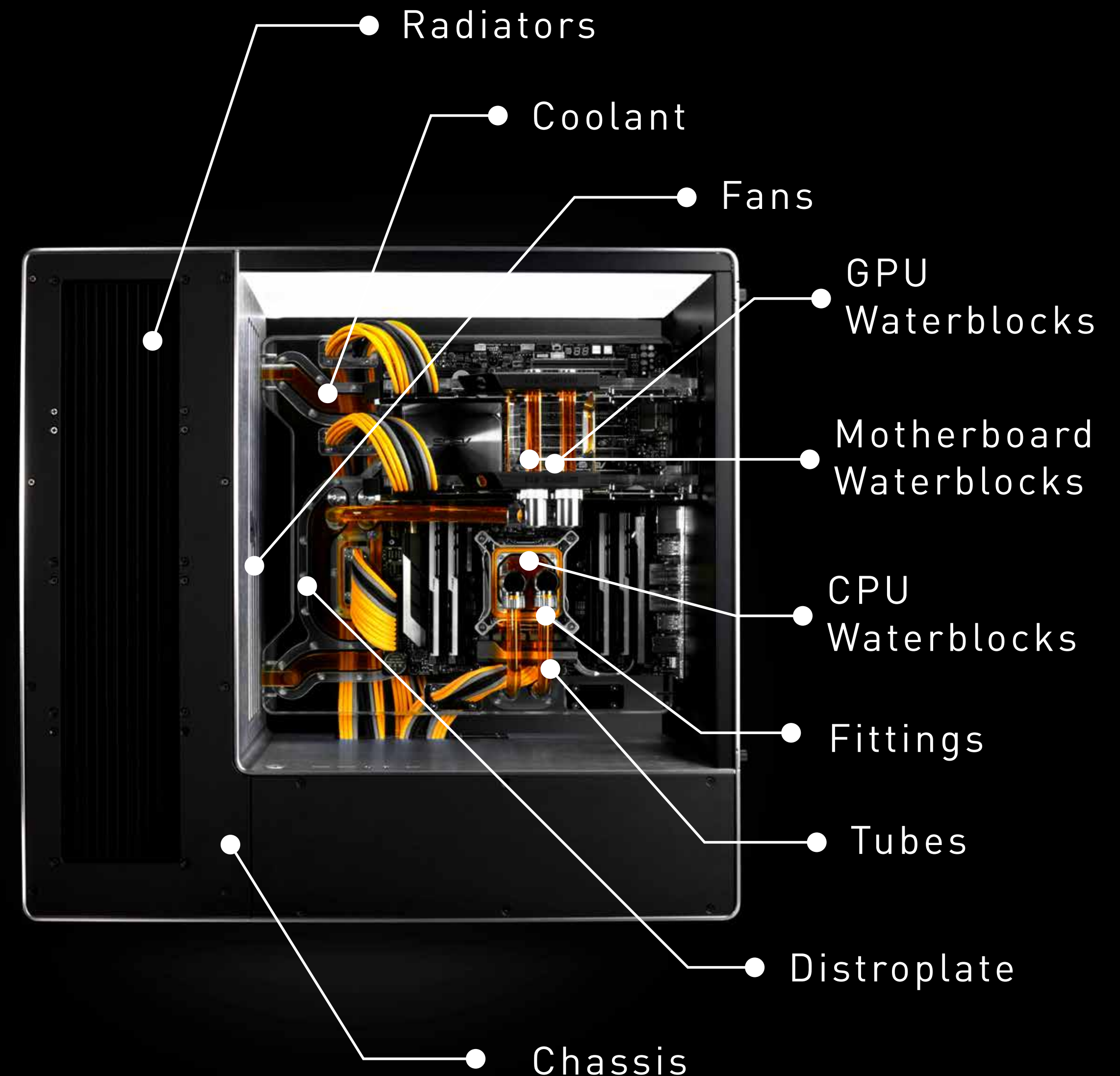
## EK® QUANTUM

### The Art of PC Modding

EK Quantum is the most versatile range of liquid cooling components meant for building custom loop dream PCs.

The mission of the EK Quantum product line is to offer the highest-rating liquid cooling products on the market. It is the most comprehensive range of components with many variations, created to help computer enthusiasts realize their unique builds.

EK Quantum stands for the expression of uniqueness and exclusiveness. Passion for details, superb quality, and the widest choice of components. Neat edges, sleek lines, premium materials, and high performance with the diversity in lighting options, parts, material choices, colors... Everything you need to make your PC stand out!





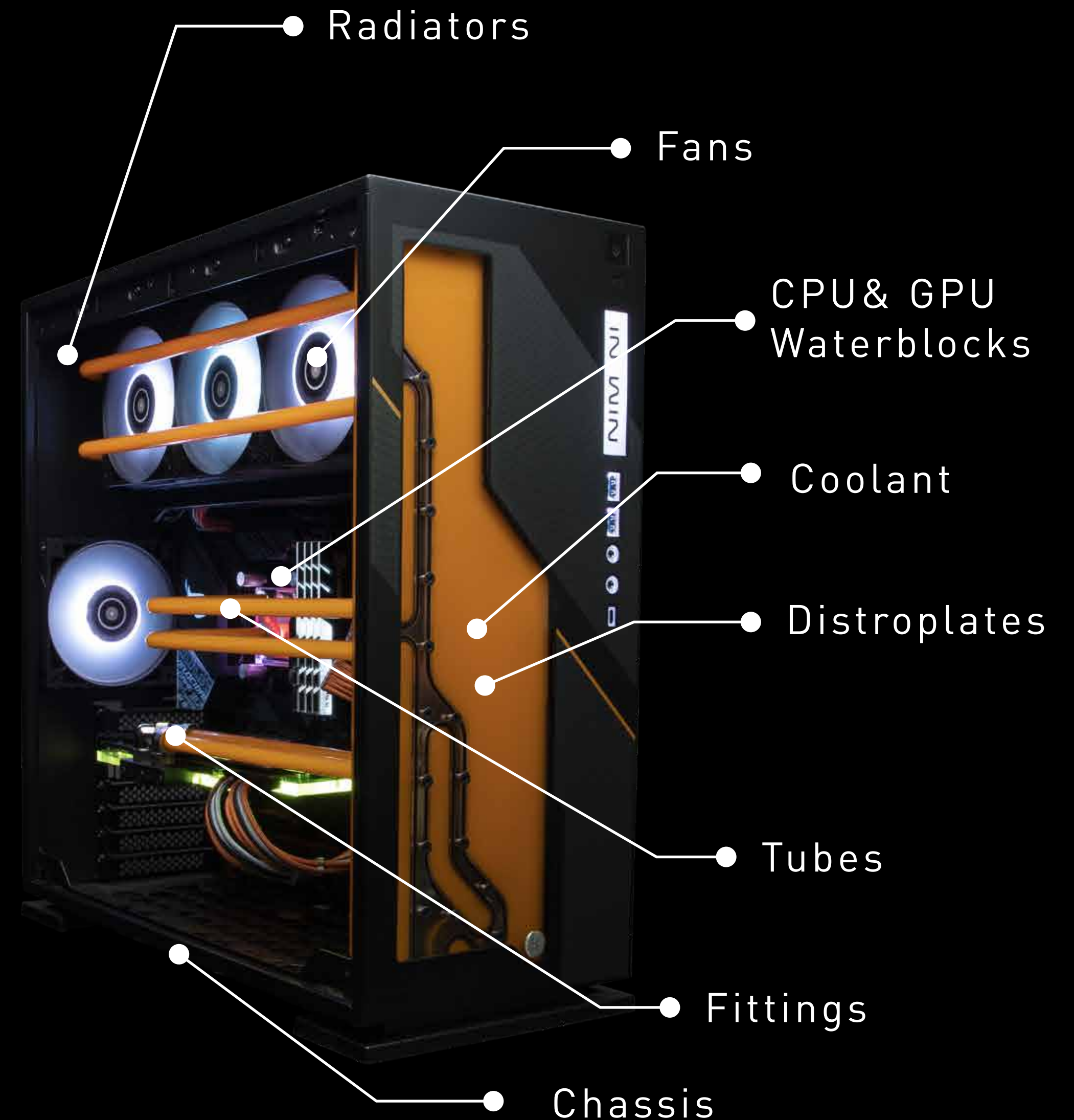
EASY COOLING  
Business Unit

## EK® CLASSIC

Anyone Can Do It!

The Classic Lineup is all about the ease of implementing the liquid cooling. It is providing pre-selected custom loop liquid cooling kits and components. The EK Classic Kits are aimed at the demanding PC users who would like to build a custom loop liquid cooling but are hesitant because of the complexity that is usually associated with it.

The packaging, just as the products themselves, are streamlined and simplified, with great emphasis on kits. This makes the EK Classic line a pure essence of liquid cooling, while detailed manuals and video tutorials are making it completely different from anything else on the market. And with components for the upgrade, users can easily add more to the system later on.





## EK® AIO

### Start Your Liquid Cooling Journey

AIOs are increasing CPU performance and reliability while keeping noise levels at a minimum, and are very easy to install since everything you need comes straight from the box. EK AIO is the all-in-one product line of design- and performance-oriented Mount & Play closed loop liquid cooling solutions. It is the entry-level solution for those who are taking their first steps into the world of liquid cooling.

EK's CPU All-In-One coolers are bringing the benefit of engineering expertise from the more sophisticated custom loop and professional cooling solutions, where EK is the market leader. Using high-quality materials and precision manufacturing allows us to achieve superior cooling performance while providing your PC with a striking appearance.





## EK® AIR

Absolutely FANtastic!

EK is not only producing liquid cooling solutions. One of our bestseller products is the M.2 SSD heatsink - a simple passive air cooling solution developed by EK.

By further strengthening our interest in the air cooling market, where we can apply our cooling expertise and experience, EK will be introducing its own lineup of CPU air cooling products.

The focus of the EK AIR product line is to deliver the best price-performance ratio, backed up with the high-end design, excellent customer service, and of course, our knowledge of cooling technologies.

The EK-AIR lineup will be covering all the basic needs of PC users who are taking their first steps into the world of more efficient cooling.





MAINSTREAM

Business Unit

# EK® FLUID GAMING

Play It Without Compromise

A different approach to gaming PCs.

Waste no time and jump right into gaming thanks to a true plug-and-play PC fitted with a full liquid loop.

In terms of aesthetics, performance and low noise emissions, what we offer to gamers is a different approach to gaming PCs, thanks to a fully liquid-cooled design.

The major benefits of having a fully liquid cooled loop at the heart of your gaming system are the topmost hardware exploitation possibilities and a low-noise gaming environment. Everything you need to run your games at maximum possible settings and FPS while being certain that your computer will never over-heat and lack in performance, even in the most intensive battle-field moments.





# EK FLUID GAMING

## Lineup



### BATTLE

Handle anyone and anything on the battleground. AMD Ryzen 3 CPU brings you to the very top while the integrated liquid cooling keeps the entire system ready for action at any time!



### CONQUEST

Enter the gaming Hall of Fame. With the performance of AMD Ryzen 3 CPU accompanied by the high-end custom loop liquid cooling, it is a premium gaming PC optimized for smooth and silent operation.



### VANQUISH

It's a mean machine that will unleash its quiet power on your opponents and leave nothing but ash in its wake. Release the full potential of AMD Ryzen 3 CPU for the most competitive of games. Vanquish is everything you'll ever need to triumph!



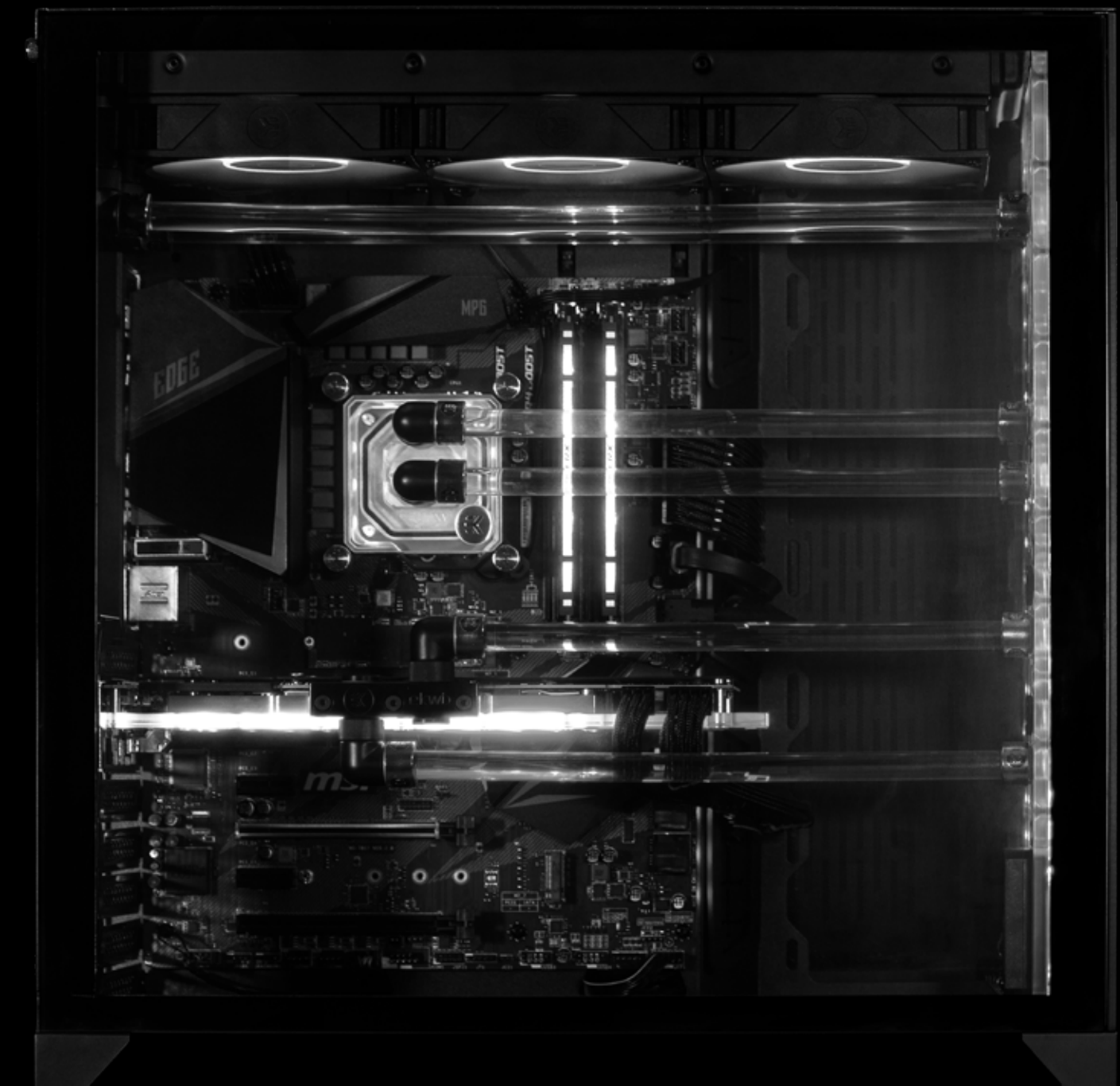
# EK® FLUID WORKS

## The Ambition To Achieve More

A different approach to workstations. Performance and low noise emissions are the basics behind our proposal to Professionals who need to work on workstations all day. This is only possible to achieve with liquid cooling. Fluid Works workstations are very discrete and tasteful looking machines.

Maximized work.

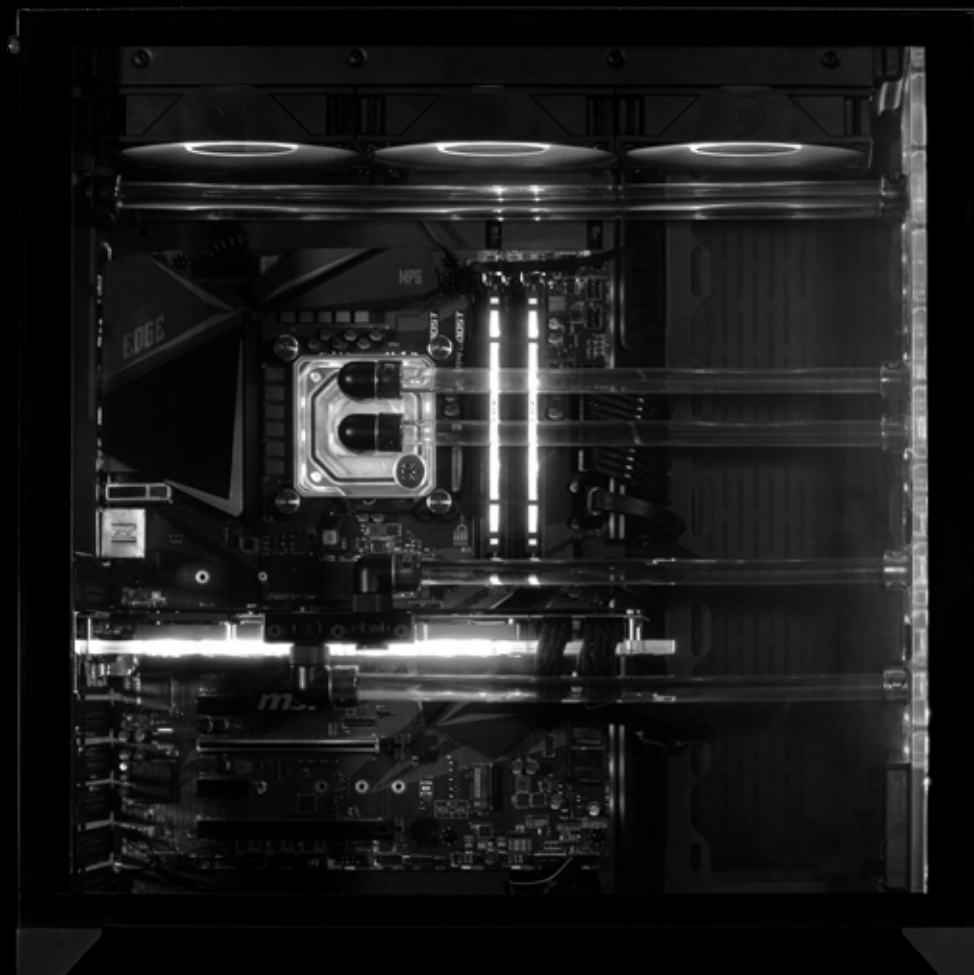
The major benefit of having full custom loop liquid cooling at the heart of your work system is that it allows maximum hardware exploitation and a low noise work environment, permitting you to run different programs at maximum possible settings while being sure your computer will never overheat and slow down.





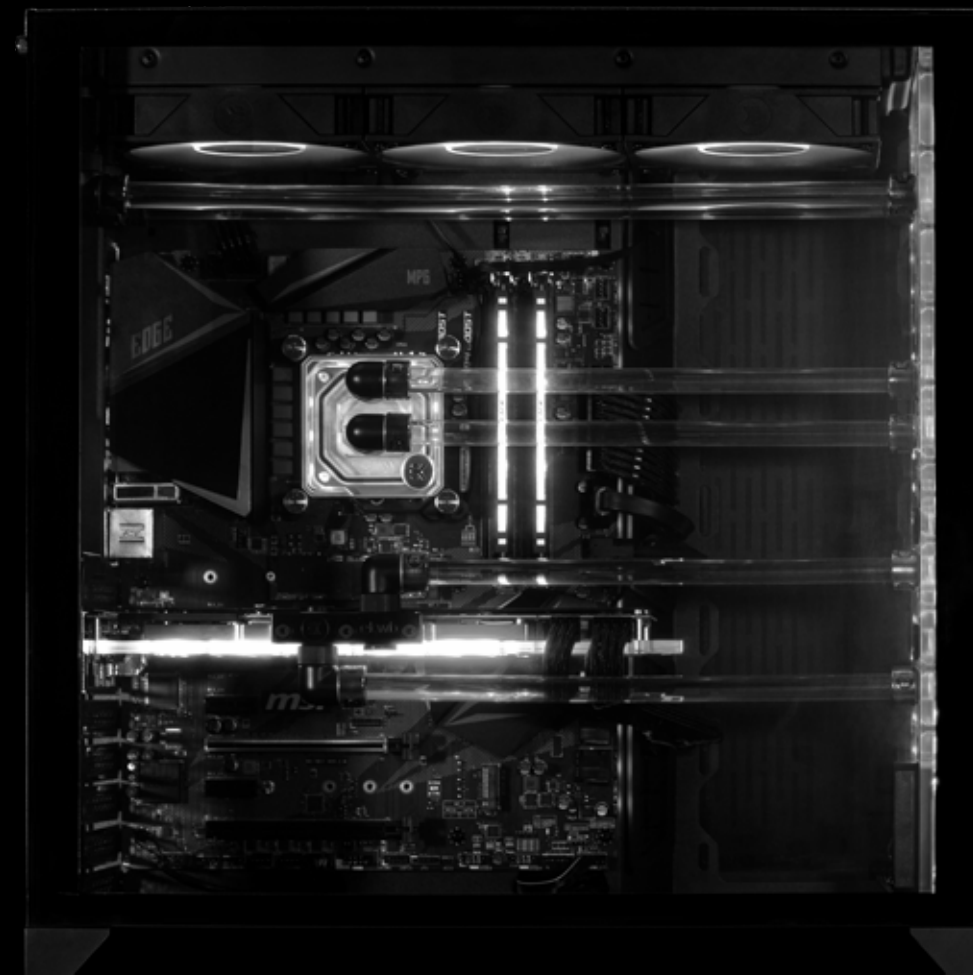
# EK FLUID WORKS

## Lineup



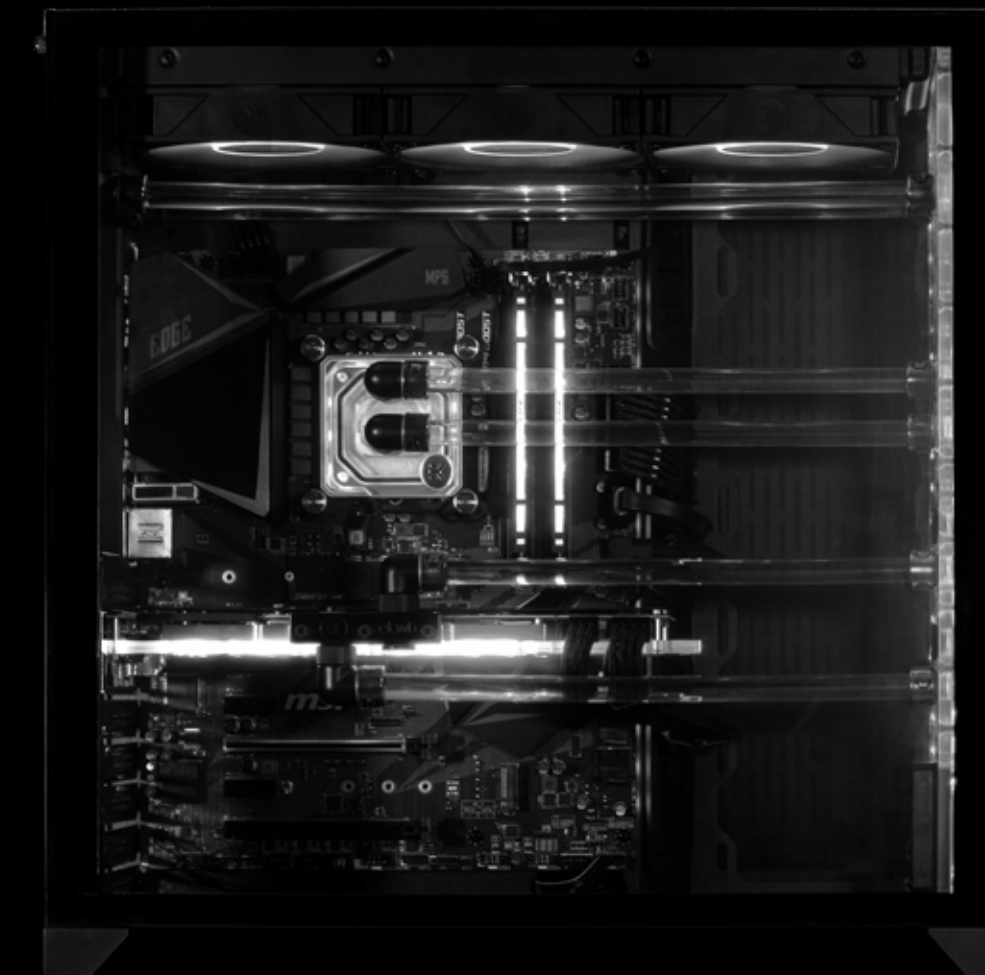
### SCALE

Remove bottlenecks. Workstation-ready to distribute the workload from one to two GPUs. Efficient and quiet cooling under heavy load. Built for product design & engineering, architecture, data science, media & entertainment.



### BOOST

Experience unparalleled performance with high levels of 3 or 4 parallel GPUs. Optimal chassis with excellent cooling and quiet operation. While aesthetics are not necessarily a must, it sure is good looking, providing the perfect technology platform for advanced industries.



### FORCE

Scalability, Performance, Reliability. Up to 7 GPUs designed for the most demanding computational tasks. Unique design with high-quality components and low evaporation rubber tubing for ultimate reliability and industrial aesthetics as well.







ENTERPRISE

Business Unit

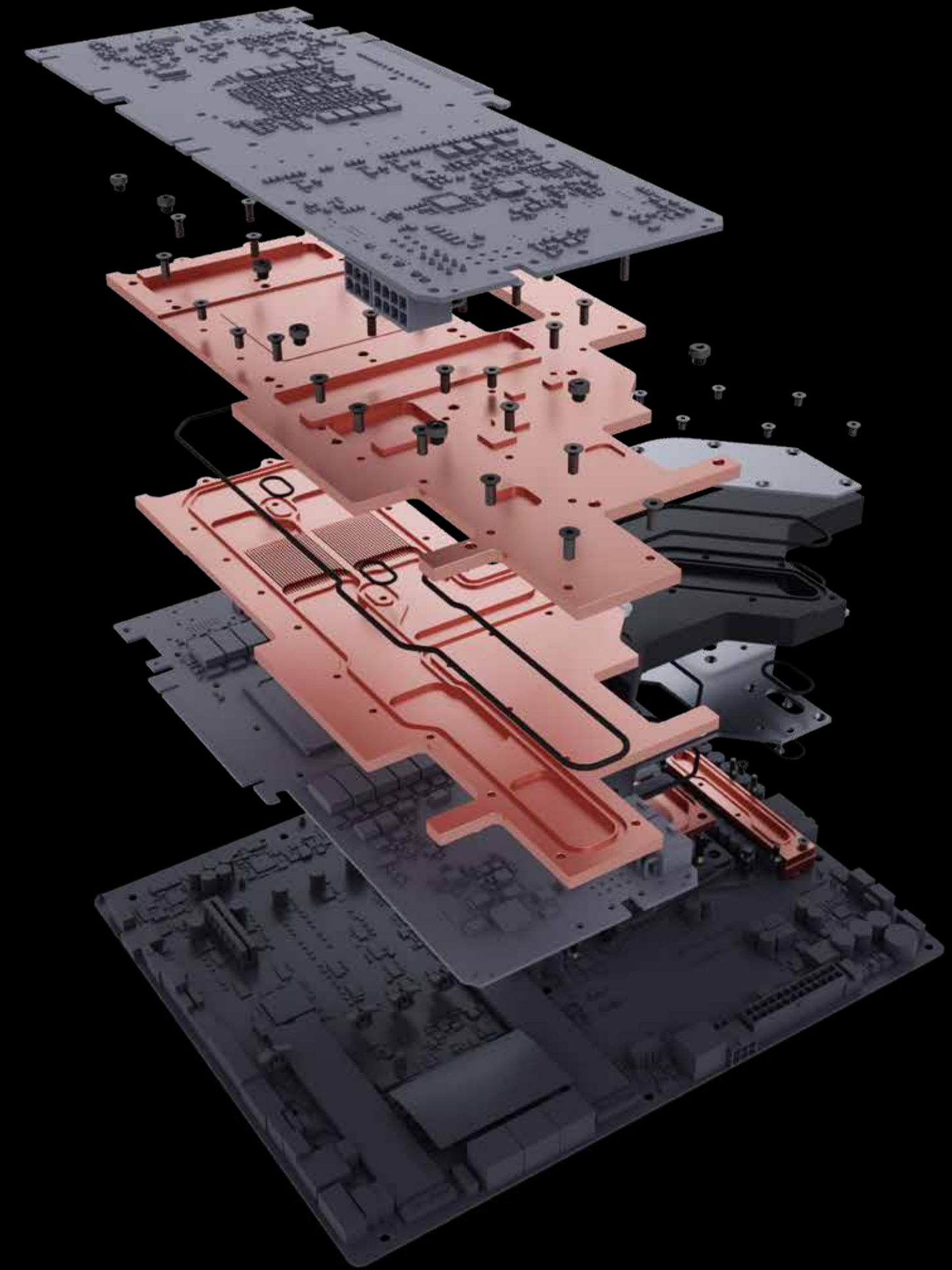
# EK<sup>®</sup> ENTERPRISE

Trusted by Technology Leaders

EK is one of the world's leading companies in the provision of thermal balancing solutions associated with computer sciences. Our focus is to elevate computer performance, increase the speed of data transmission or prolong battery life by creating balanced and controlled conditions for stable operations. We are proud to be so involved in developing and producing cooling components for various advanced industries, such as autonomous vehicles.

We take our partnerships and NDAs very seriously. And due to Non-Disclosure Agreements, we are not allowed to disclose our partnerships but we can say is that the automotive segment is one of the strongest segments we work in.

Industries we are working with: automotive, AI and deep learning, heavy-duty computers, data centers, silicon chips production, sustainable solutions for heat management, supercomputers.

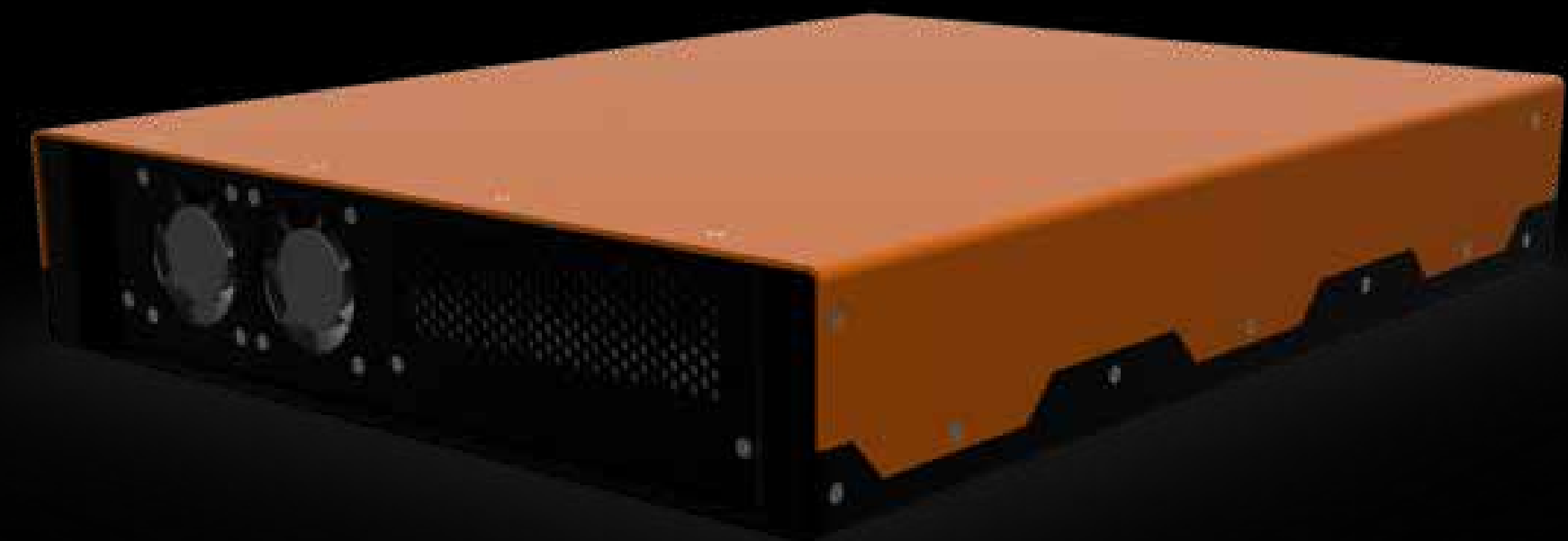


## FLAT PC

### Developer's Kit for Autonomous Driving

Platform or mini workstation for software developers when a reliable, strong and compact computing station needs to be placed inside the car trunk, cabin or chassis.

Our liquid cooling solution is preventing the overheating of critical computing components during high ambient temperatures and vibration. This can be achieved with a compact liquid cooling solution inside a small space thanks to the innovative design and manufacturing.



## AUTOMOTIVE

### Liquid Cooling for the Mobile World

Moving vehicles present challenging working conditions for electronics because of the environmental changes like temperature, humidity, and vibrations during movement. We have developed components of the cooling loop that can withstand these harsh conditions in the mobile world of autonomous transportation.

With our new design of the water block, we have managed to eliminate the vulnerabilities that could lead to potential damage to the electronics. This has been achieved with the new production technology that enables us to create completely different, clever designs with fewer assembly parts. This type of design is also suitable for mass production.



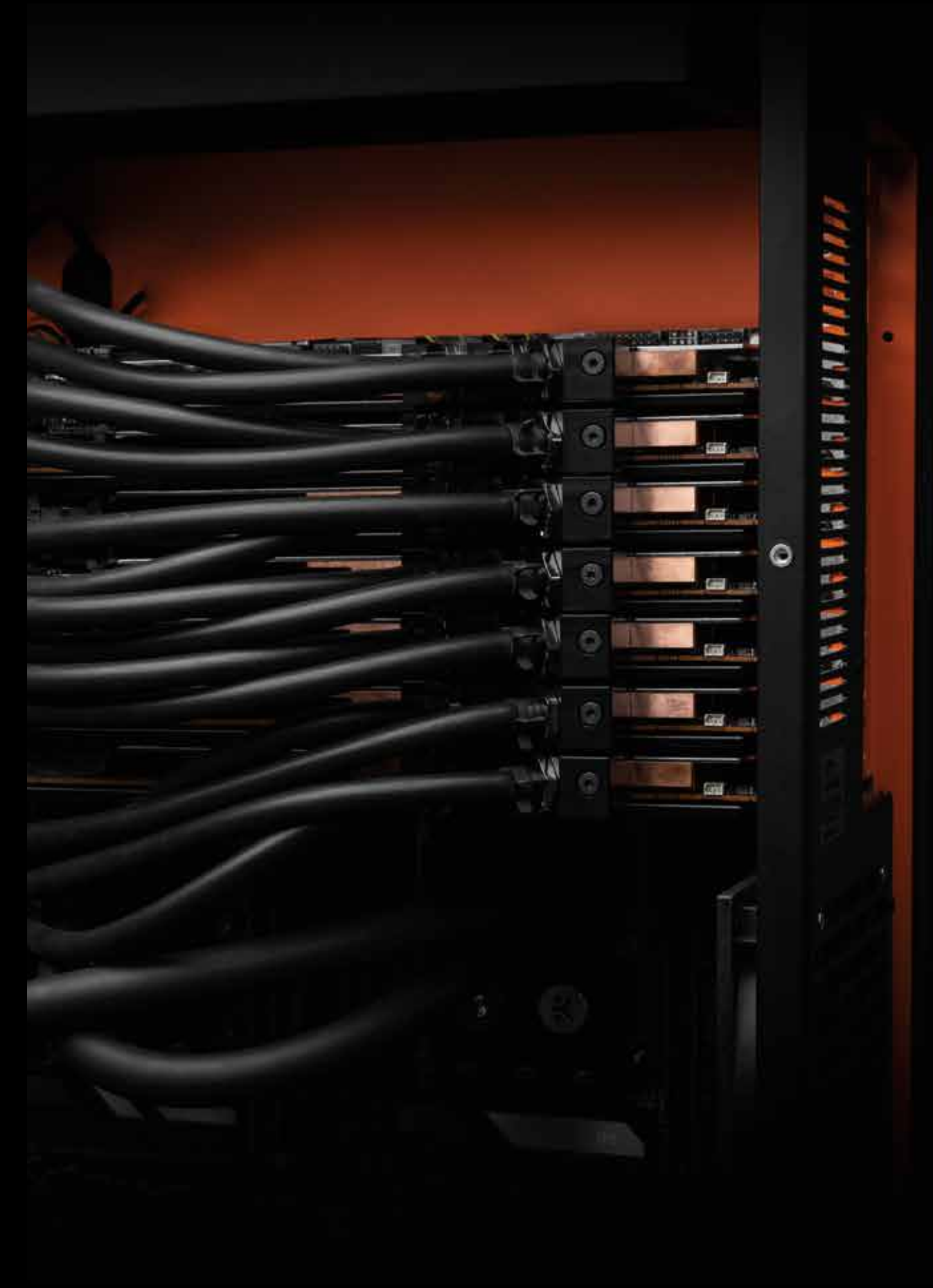


# EK AI WORKSTATIONS

## Pinnacle of Modern Computing

How to make AI workstations more powerful? Our answer is liquid cooling as it can be much denser. The heat can degrade or even shut down the electronics if the waste heat is not properly managed. Our specialty is heat management in computing and we have developed a whole new product line for workstations that can remove the waste heat in an efficient way.

Together with our partner, we are developing a new workstation that is a product of more than 60 years of experience – CUBIX has more than 44 years of experience in building computing systems while EK has more than 16 years of liquid cooling experience.



# RUGGED PC

## Heavy Duty Computers

Together with our partner Dewesoft, we are developing a new liquid-cooled rugged computer that will be available at the end of 2020. This computer will be suitable for the army and heavy machinery to be used for calculation and field data gathering.



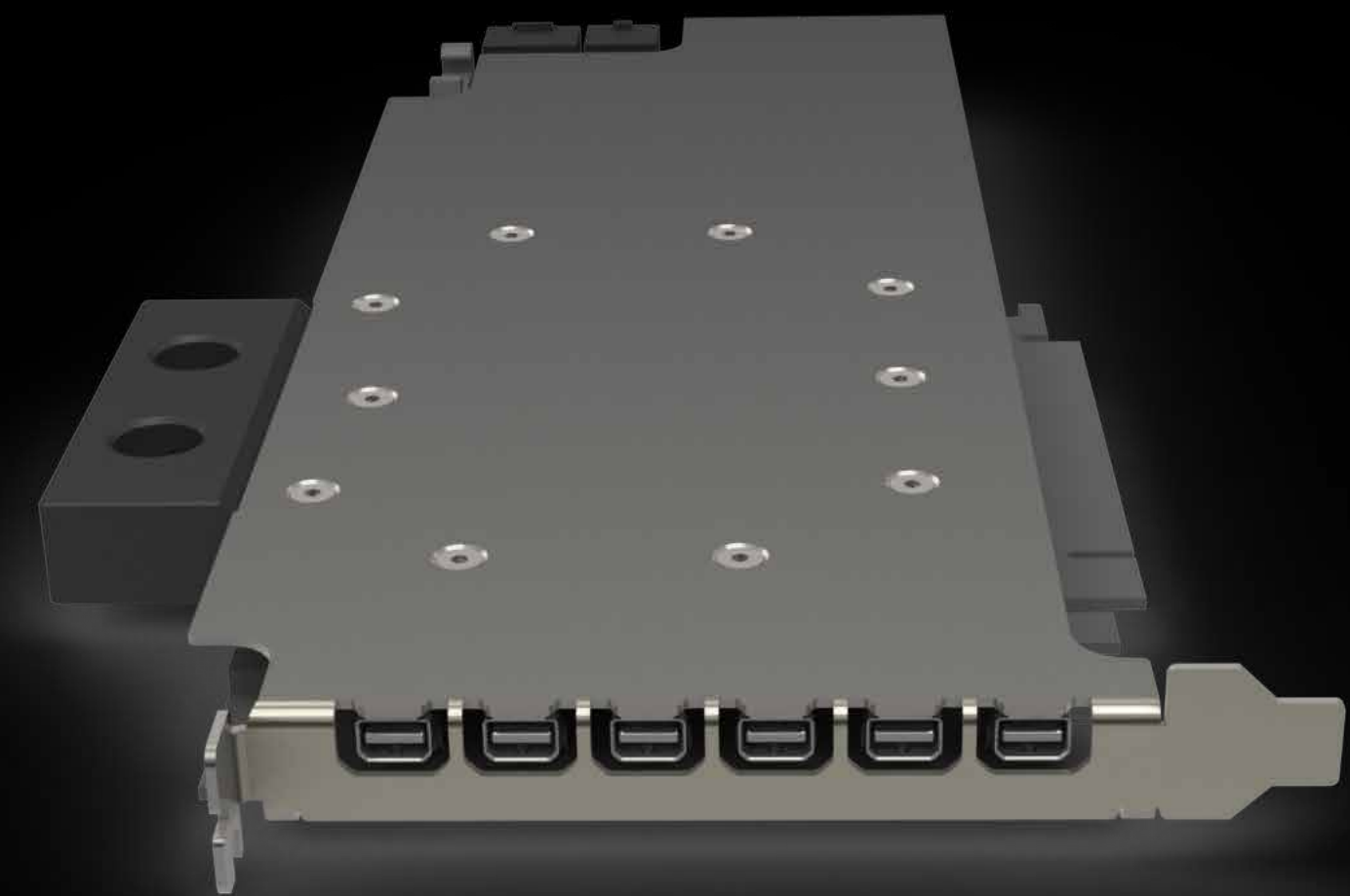


# EK SERVERS & SUPERCOMPUTERS

## The Future

EK has developed a new line of products for the most demanding customer - the data center operator. Heat is the side-product of the data center that can shut down the electronics if they are not properly cooled. We can transfer the heat away from the processors in high computing density. The heat can then be used where it is needed and is not just going to waste.

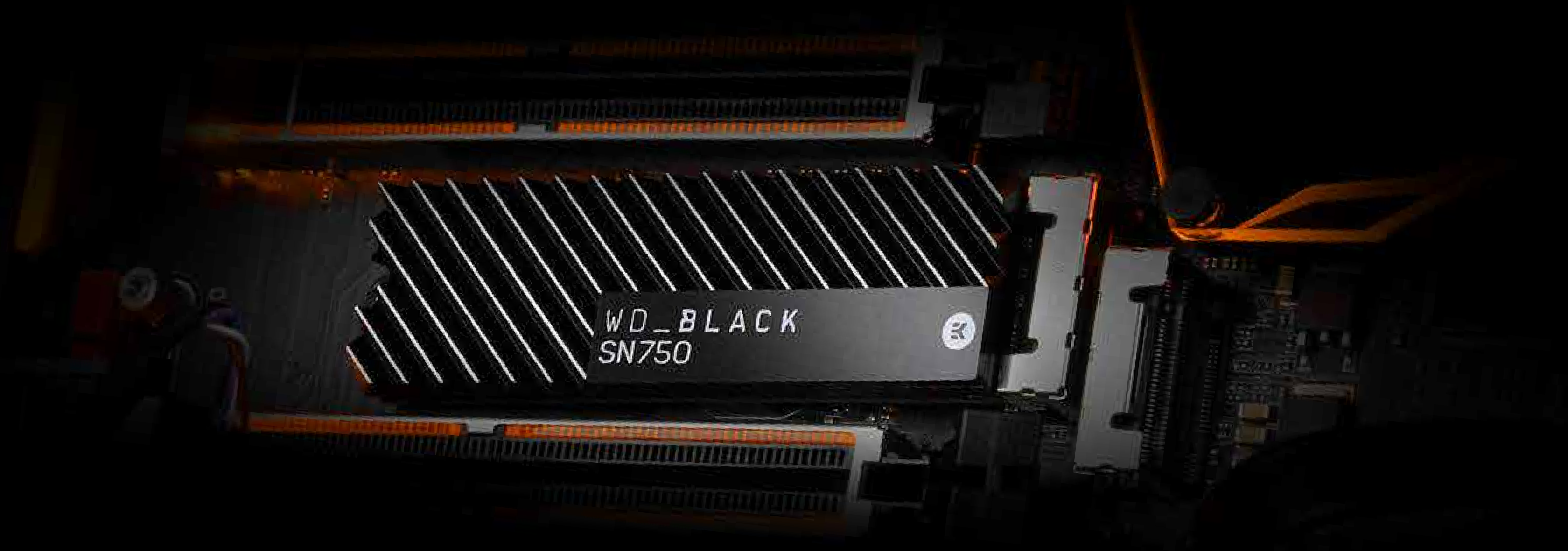
The solution is inside our ruggedly designed block. It is the heat engine that allows the side product of computing processes – the wasteful heat energy – to be efficiently transferred away from processors and then used as a source of energy where it's needed, instead of just going to waste.



## COOLING PROJECTS

Power of Technology. The Marketing Power of EK Brand.

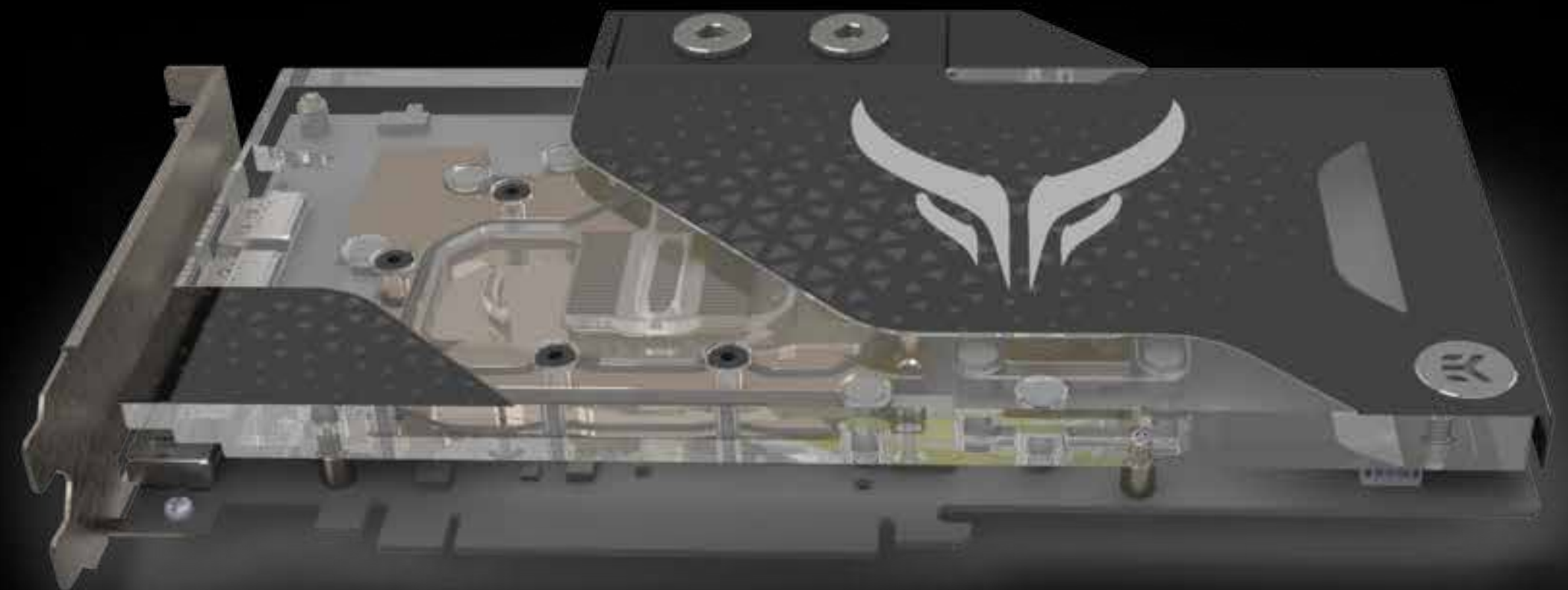
EK is able to meet the needs of its most demanding partners. With its top-class R&D team, we can develop and/or produce the products for partners who wish to have cooling solutions or who are entering new markets.



## EK SPECIAL PROJECTS

### Teaming up With the Chip Manufacturers

This is a custom design of the water block that perfectly fits on an MSI 1080/2080 GPU. Developed in partnership with the MSI GPU development team. It's an example of what we can do when we put our heads together.



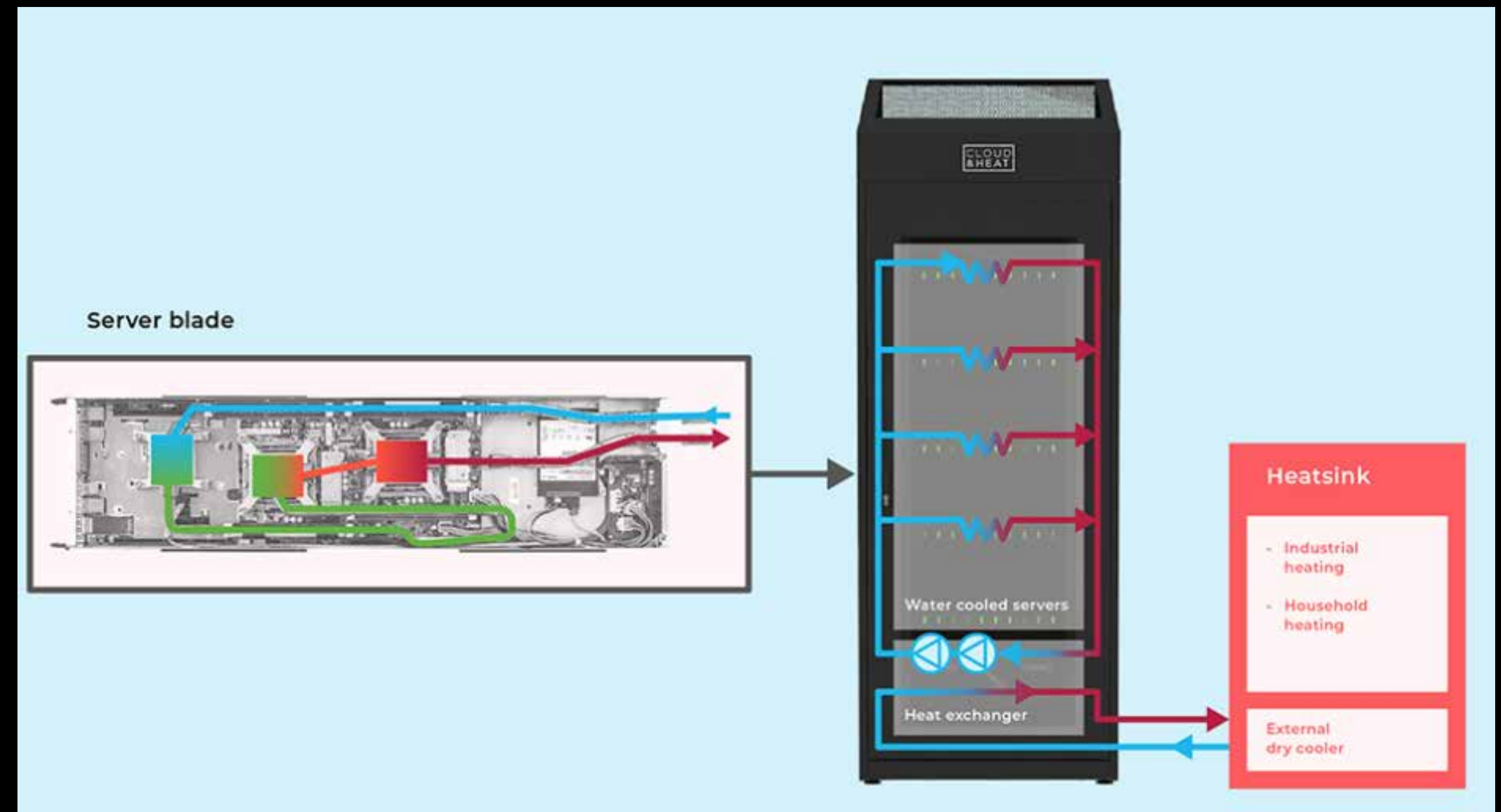


# EK SUSTAINABLE SOLUTIONS

## Heat Management

We are collaborating with a partner specialized in data center thermal management systems.

Together, we will be able to offer a complete solution - a cooling system that enables energy recuperation.



## EK OFFICES

Slovenia HQ

US Office

China Office



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