

MACCHI

STEAM & POWER GENERATION

a division of Sofinter

IN TODAY'S WORLD, SOME ROUTINE TASKS ARE DIFFICULT TO CARRY OUT WITHOUT PHYSICAL PRESENCE. MACCHI HAS TAKEN A KEY ROLE AS A GAME CHANGER INNOVATION IN BUSINESS BY USING KIBER'S AR TECHNOLOGY.

MACCHI, operational division of SOFINTER Spa, is a leading and highly experienced company active, on worldwide basis, in the supply of industrial boilers for oil & gas business and heat recovery steam generators for cogeneration plants (CHP). MACCHI, strengthened of more than 60 years' activity in boiler business, supplies its products, realized in accordance with the most strict and renewed International Technical Standards, to major Engineering Companies, EPC Contractors and International Oil Companies (IOC). With over than 1,000 units in operation in 50 different Countries, MACCHI is focused in consolidating and strengthening its presence on the existing markets, successfully approaching new ones.

The latest Kiber 3 is a unique Hardware and Software fully integrated AR remote communication wearable solution. Kiber 3 allows remote users to live the situation on-site as if they were present and on-site workers to receive support while staying focused on their job with an all-in-one "hands-free" solution. Kiber 3 has been selected by MACCHI because it represents the state-of-the-art in the Augmented Reality industry, offering its technology as a value-added-service

and setting a new paradigm in remote collaboration and communication.

Kiber 3 integrated solution enables businesses to: Speed Up Diagnostic, Increase Productivity, Reduce Costs and Human error, Increase Operating Safety.

Kiber 3 makes it possible to support remotely and effectively local technicians in their operations through live video communication and AR tools.

Kiber 3 solution is smart, easy and efficient. Designed to perform efficiently on the real needs of MACCHI's remote working operations.

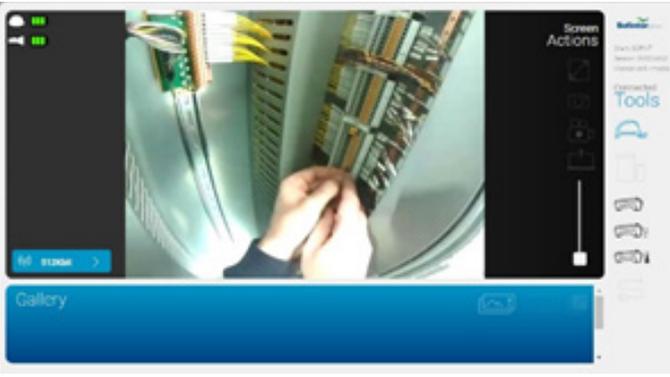


Kiber is powered by VRMedia.

VRMedia is a leader in wearable solutions, with Kiber brand, for industrial operations. The company founded in 2002 as a spin-off of the **SSSA - Scuola Superiore Sant'Anna, Pisa - Italy.**

VRMedia provides flexible **Augmented Reality technology solutions** to empower workforce in daily industrial operations that require instant expertise and remote collaboration.

Kiber 3 is the all-in-one Enterprise AR solution bringing Instant Expertise Everywhere.



Through a web-based platform, remote users are able to see what field operator, wearing Kiber 3 Kit, sees.

Kiber offers a flexible AR technology solution to empower workforce in industrial operations requiring instant expertise and remote collaboration. Kiber all-in-one solution comprises:

Kiber 3 Kit | A unique rugged hands-free wearable provided with HD cameras, binocular visor, professional headset and hand cam;

Kiber 3 Field | An easy-to-use mobile app to connect workforce;

Kiber 3 Web | A high-performance web-based platform for remote collaboration.

MACCHI IMPROVES BUSINESS OPERATIONS BY PERFORMING CHALLENGING TASKS IN CHALLENGING CONDITIONS: MACCHI'S FAT USE CASE.

In FAT (functional acceptance test), for some equipment, such as parts of a boiler, an inspection and testing by third party inspectors is requested, the presence of the inspectors is mandatory and cannot be waived. This operation is carried out at supplier's equipment site and takes place before the components is shipped to the client's industrial plant. The usual scenario for this operation involved the presence of both MACCHI's and client's technicians and that of an inspector.

Today, due to travel restrictions imposed by COVID-19 pandemic, this is no longer possible or very difficult to achieve. To provide its customers with positive experiences, MACCHI has recognized in Kiber 3 a strong technological partner in providing its usual high quality performance and making remote these operations to avoid any delay in its business activities.

At the equipment supplier facility, Kiber 3 Kit can be worn by a MACCHI technician or directly by the supplier's field operator while all the other people, involved in the FAT remote inspection, can be connected through the KIBER 3 Web platform. This allows clients to experience the operations as if they were present and validate the inspection in real-time.

Through the use of Kiber 3, client's technicians, instead of travelling to MACCHI's facility, were able to meet online on Kiber 3 Web platform and initiate a live audio-video streaming with on-site technician, present in the equipment supplier facility, who was wearing Kiber 3 Kit.



With Kiber solution, client's technicians are able to talk, share instructions and information with field operators, they are able to ask for and receive different views from the field: shifting rapidly from head mounted camera to hand camera and thermal camera for an extensive and in depth view on field site. With Kiber 3 Web application remote technicians are able to interact physically pointing out areas to be investigated, sharing documentation with the team and recording the entire inspection session for company's archive.

AR remote tools find application in many field service operations from troubleshooting to maintenance, inspection and assembly. MACCHI has been able to successfully integrate Kiber into its business processes improving collaboration between people.