

EON Field IQ 2.0

Revolutionizing Training: Field IQ 2.0's Printed Boards Bring Augmented Reality to Life

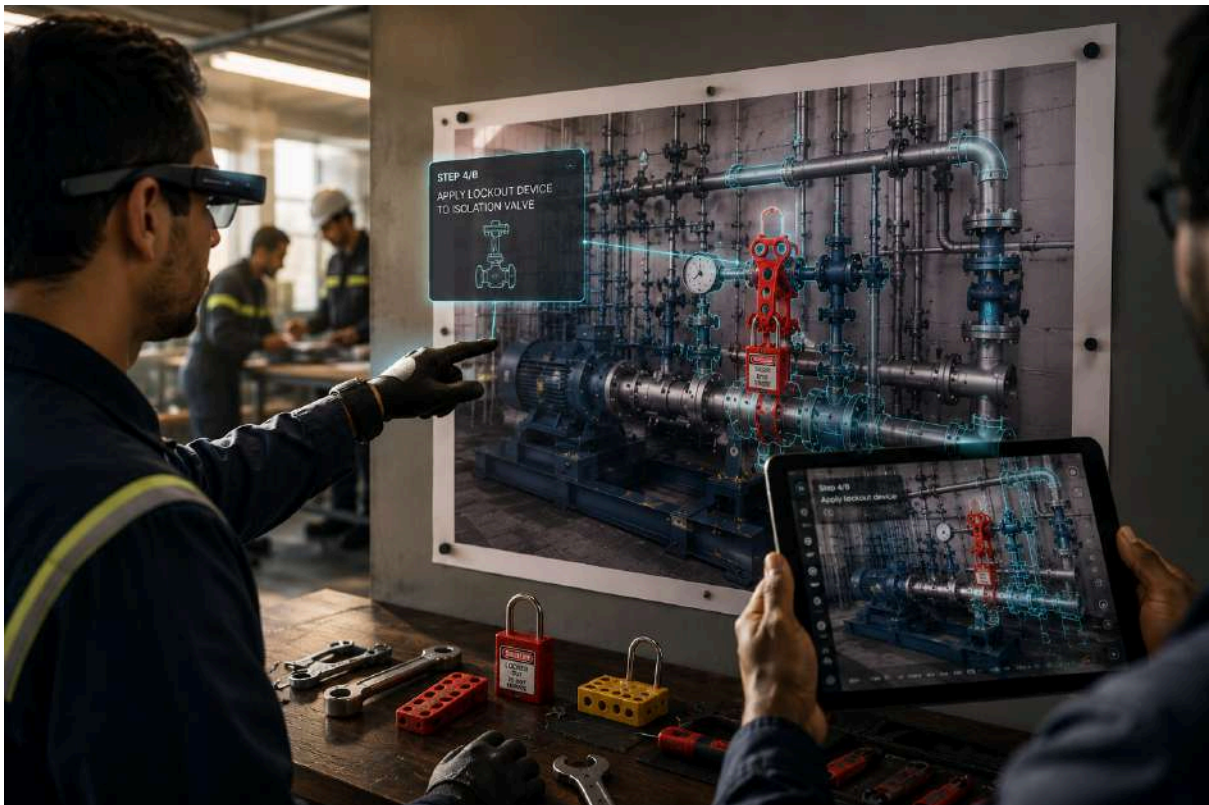


Table of Contents

EXECUTIVE SUMMARY	2
Field IQ Anywhere (Full Virtual).....	2
Field IQ Board (Tangible AR).....	2
Field IQ Live (Physical AR).....	2
Work Intelligence and the Intelligence Flywheel.....	3
THE PROBLEM/CHALLENGE	3
Geographic Constraints and Accessibility.....	3
Cost and Logistical Complexities.....	3
Safety Concerns.....	4
Knowledge Retention and Skill Development.....	4
THE SOLUTION	4
KEY FEATURES/CAPABILITIES	5
HOW IT WORKS	6
Field IQ Anywhere: Virtual Simulations on Mobile Devices.....	6
Field IQ Board: Physical Interaction with a Magnetic Board.....	6
Field IQ Live: Hands-On Training with Smart Glasses.....	7
AI-Driven Evaluation and Knowledge Capture.....	7
BENEFITS/OUTCOMES	7
Accelerated Learning and Skill Development.....	8
Enhanced Muscle Memory and Practical Skills.....	8
Minimal Logistics, Maximum Reach.....	8
Contribution to Organizational Knowledge and Competency.....	8
Safety and Compliance.....	8
CONCLUSION	9

EXECUTIVE SUMMARY

EON AI Ventures is at the forefront of transforming industrial training with the introduction of **Field IQ 2.0**, a groundbreaking augmented reality platform that reinvents hands-on training. This innovative solution addresses the long-standing industry challenge of requiring physical access to equipment for effective training. **Field IQ 2.0** introduces a flexible, three-modality approach that leverages modern technology to provide immersive and practical training experiences regardless of geographic constraints.

The core of this revolutionary platform is its ability to provide **AI-guided, hands-on practice** through three distinct modalities: **Field IQ Anywhere**, **Field IQ Board**, and **Field IQ Live**. This suite of tools ensures that training can be conducted on the actual equipment via smart glasses, entirely virtually on mobile devices, or through an innovative **Tangible AR** approach using a printed board. This flexibility allows industrial workers to engage with training materials in a manner that suits their specific needs and environments.

Field IQ Anywhere (Full Virtual)

Field IQ Anywhere harnesses the power of the **Genesis simulation library** to bring any piece of equipment into the trainee's environment using a phone or tablet. This modality eliminates logistical challenges by providing infinite reach and accessibility. Trainees can utilize a virtual toolbox to interact with the equipment, facilitating a comprehensive learning experience without the need for physical presence.

Field IQ Board (Tangible AR)

The **Field IQ Board** represents a breakthrough in augmented reality training by merging digital and physical worlds. This modality involves a printed image of industrial equipment that, when viewed through a mobile device, transforms into a live 3D model. Trainees can practice using real tools that magnetically attach to the board, effectively building true muscle memory at a fraction of the traditional training cost. This approach not only enhances learning efficiency but also promotes safety by allowing workers to practice procedures in a controlled environment.

Field IQ Live (Physical AR)

Field IQ Live takes training to the next level by providing step-by-step guidance overlaid on the real asset. Using smart glasses, workers can learn procedures with their phones and then execute them hands-free. The smart glasses recognize each step of the process, offering visual cues at the precise moment needed, ensuring that trainees can focus on performing tasks correctly and safely.

Work Intelligence and the Intelligence Flywheel

Field IQ 2.0 is part of EON AI Ventures' **Intelligence Flywheel**, a comprehensive platform that includes **Genesis** for simulation authoring, **Field IQ** for guided fieldwork, and **Assess IQ** for verified competency capture. This integration captures and verifies every action a trainee performs, contributing to a growing **Work Intelligence** database that compiles expert procedures into a reusable knowledge base. This not only accelerates training but also ensures that companies have a permanent, verified record of expert work execution, fostering continuous improvement and innovation.

With **Field IQ 2.0**, EON AI Ventures is paving the way for a new era of industrial training that is both effective and accessible. By leveraging cutting-edge technologies and innovative design, the platform empowers enterprises to enhance workforce capability, ensuring that training keeps pace with the rapid advancements in AI and industry demands.

THE PROBLEM/CHALLENGE

Industries worldwide face significant challenges in training their workforce due to the constraints of traditional hands-on training methods. These challenges are particularly acute in sectors where equipment is remote, offshore, hazardous, or otherwise inaccessible. The necessity for physical access to machinery for training purposes not only limits accessibility but also imposes substantial financial and logistical burdens on companies.

Geographic Constraints and Accessibility

One of the primary challenges is the geographical dispersion of industrial sites. Many critical training scenarios involve equipment that is located far from the trainees' immediate environment. Whether it's a gas skid on an offshore platform or machinery in a remote processing plant, the distance between the workforce and the equipment creates a barrier to effective training. **Field IQ 2.0** addresses this by allowing workers to undergo training without needing direct access to the equipment, utilizing augmented reality to bring the training to them, regardless of location.

Cost and Logistical Complexities

Traditional training methods often require significant investment in terms of both time and money. Transporting trainees to physical locations, arranging for equipment downtime to facilitate training, and managing the associated logistics can be prohibitively expensive. Moreover, the necessity to halt production for training purposes can lead to lost productivity, impacting the bottom line. **Field IQ 2.0** mitigates these issues by offering a cost-effective solution that eliminates the need for physical travel and equipment shutdowns.

Safety Concerns

Training on hazardous equipment poses inherent safety risks, especially for inexperienced workers. The potential for accidents during training sessions necessitates stringent safety measures, which can further complicate the training process. By enabling workers to practice in a simulated environment, **Field IQ 2.0** reduces these risks and allows for safer, more controlled learning experiences. The **Field IQ Board**, in particular, enables trainees to gain hands-on experience using real tools and procedures without exposing them to the dangers of a live industrial environment.

Knowledge Retention and Skill Development

The traditional approach to training often struggles with ensuring long-term knowledge retention and the development of practical skills. The **Show Me → Let Me Try → Evaluate Me** methodology integrated into **Field IQ 2.0** addresses this by providing a structured learning path that reinforces knowledge through active participation and AI-guided feedback. This approach not only enhances the learning experience but also ensures that workers are equipped with the skills necessary to perform their jobs safely and efficiently.

Through innovative modalities and a focus on practical, hands-on learning, **Field IQ 2.0** offers a comprehensive solution to the challenges faced by industries in training their workforce. By bridging the gap between theoretical knowledge and practical application, EON AI Ventures is transforming the landscape of industrial training, ensuring that enterprises can develop a highly skilled and competent workforce ready to meet the demands of the AI era.

THE SOLUTION

Field IQ 2.0 represents a groundbreaking advancement in the realm of hands-on training by utilizing augmented reality to overcome traditional barriers. This innovative platform is designed to deliver AI-guided, hands-on practice in industrial environments without the need for physical equipment presence. It achieves this through a three-modality approach, comprising **Field IQ Anywhere**, **Field IQ Board**, and **Field IQ Live**, each offering distinct advantages for trainees and organizations.

The first modality, **Field IQ Anywhere**, allows trainees to engage with 3D models of industrial equipment entirely virtually. Leveraging the extensive **Genesis simulation library**, this modality can project any equipment into the trainee's environment via a smartphone or tablet. This provides infinite reach and eliminates logistical challenges, enabling workers to train on complex procedures at their convenience and location. The virtual toolbox feature further enhances this experience by providing all necessary virtual tools, ensuring that trainees can practice without physical constraints.

The second modality, **Field IQ Board**, introduces a revolutionary concept known as **Tangible AR**. This modality transforms a printed image of industrial equipment into a live 3D model when viewed through a smartphone or tablet. Mounted on a magnetic surface, the **Field IQ Board** allows trainees to use real physical tools and lockout devices that snap onto the exact components depicted. This interaction builds genuine muscle memory by simulating real-world tasks, offering a cost-effective solution compared to traditional training methods. By transforming any space into an interactive training ground, the **Field IQ Board** enables a whole crew to engage with the environment simultaneously, fostering collaborative learning.

The third modality, **Field IQ Live**, provides step-by-step guidance overlaid on actual equipment through smart glasses. This hands-free approach means workers can learn procedures on their mobile devices and then apply them in real life with the aid of augmented reality cues. The smart glasses recognize each step of the procedure, ensuring that the right visual instructions are provided at the right moment. This immediate feedback loop enhances the learning process, allowing workers to gain practical skills efficiently and effectively.

Together, these modalities form a comprehensive training ladder aligned with EON AI Ventures' **Show Me → Let Me Try → Evaluate Me** methodology. This approach ensures that training is not only interactive but also progressive, covering the full spectrum from initial demonstration to hands-on practice and competency evaluation. By integrating **AI-guided practice** with real-world applications, **Field IQ 2.0** significantly reduces time-to-competency, enhances knowledge retention, and improves safety outcomes, making it a vital tool for industries where precision and expertise are paramount.

KEY FEATURES/CAPABILITIES

Field IQ 2.0 is a robust training platform that boasts several key features and capabilities, each meticulously designed to enhance the training experience and ensure measurable outcomes. At the heart of this system is the **Field IQ Board**, a novel tool that embodies the concept of **Tangible AR**. The board features a printed image that, when viewed through a mobile device, transforms into a dynamic 3D model. This feature allows trainees to interact with digital representations of equipment using real physical tools, creating an immersive learning environment that fosters genuine muscle memory.

One of the standout features of **Field IQ 2.0** is its **AI oversight** capability. As trainees engage with the 3D models, AI technology meticulously tracks and scores each action. This real-time evaluation not only provides immediate feedback but also contributes to a continuous improvement cycle. By capturing every verified action, the system adds to the organization's **Work Intelligence** base, ensuring that expert knowledge is captured, verified, and compounded over time. This feature is crucial for industries where precision and compliance are non-negotiable.

The platform also supports diverse training environments, facilitated by the use of smart glasses and mobile devices. **Field IQ Live** leverages augmented reality to overlay step-by-step instructions directly onto physical equipment, ensuring that workers receive the

right guidance at the right moment. This hands-free approach allows for seamless integration of training into daily operations, minimizing downtime and enhancing productivity. Meanwhile, **Field IQ Anywhere** provides a fully virtual training environment, making it possible for workers to engage with complex simulations regardless of their physical location. This flexibility is complemented by the **Genesis simulation library**, which offers a vast array of equipment models for comprehensive training coverage.

Supporting EON AI Ventures' **Show Me → Let Me Try → Evaluate Me** methodology, **Field IQ 2.0** ensures that trainees progress through an interactive and iterative learning process. Initially, trainees observe procedures demonstrated in a virtual or augmented reality environment. This is followed by hands-on practice, where they apply the skills learned using either the **Field IQ Board** or **Field IQ Live**. Finally, their competency is evaluated using the system's AI capabilities, providing a clear and quantifiable measure of their skills.

In summary, **Field IQ 2.0** offers a transformative approach to industrial training by integrating advanced augmented reality technologies with AI-driven insights. Its ability to deliver realistic and safe training experiences without the need for physical equipment presence marks a significant leap forward in workforce capability development. By ensuring that training is both effective and efficient, **Field IQ 2.0** empowers organizations to bridge the gap between expert knowledge and workforce readiness, achieving high-stakes outcomes with confidence.

HOW IT WORKS

Field IQ 2.0 revolutionizes industrial training by offering a comprehensive, three-modality approach that leverages augmented reality and AI guidance to provide hands-on learning experiences without the need for physical equipment. This innovative platform transforms the traditional training paradigm by enabling workers to practice on assets that may be physically inaccessible, ensuring skills development that is both practical and scalable.

Field IQ Anywhere: Virtual Simulations on Mobile Devices

The first modality, **Field IQ Anywhere**, capitalizes on the power of virtual simulations to bring any piece of equipment directly into the trainee's environment through a phone or tablet. Utilizing the vast resources of the **Genesis simulation library**, trainees can access a virtual toolbox and engage with a wide array of equipment simulations. This method provides infinite reach with zero logistics, allowing training to occur anytime, anywhere. The virtual environment supports the **Show Me → Let Me Try → Evaluate Me** methodology by allowing users to first observe the correct procedures, then practice independently, and finally receive evaluations based on their performance.

Field IQ Board: Physical Interaction with a Magnetic Board

The **Field IQ Board** introduces a groundbreaking approach termed **Tangible AR**, where digital equipment meets physical tools. This modality employs a printed image of industrial equipment affixed to a magnetic surface. When viewed through a mobile device, the image becomes a live 3D model, enabling trainees to use real physical tools and lockout devices that magnetically attach to the exact components depicted. This realistic interaction builds true muscle memory, as the AI monitors each action, scores the sequences, and provides immediate feedback on performance. The **Field IQ Board** can accommodate entire teams, allowing up to fifteen individuals to simultaneously engage in a shared learning experience, thus enhancing collaborative training dynamics.

Field IQ Live: Hands-On Training with Smart Glasses

The final modality, **Field IQ Live**, offers direct, hands-on training with real assets using smart glasses. This approach integrates step-by-step visual guidance over the actual equipment, allowing workers to learn and execute procedures efficiently. Once trainees have internalized the process via their mobile device, they transition to using smart glasses, which recognize each step of the procedure and deliver the appropriate visual cues at precise moments, all while keeping their hands free to perform tasks. This seamless integration ensures that the knowledge acquired in previous stages is applied effectively in real-world settings.

AI-Driven Evaluation and Knowledge Capture

Central to **Field IQ 2.0** is its robust AI system, which meticulously captures and evaluates each trainee's actions across all modalities. This AI-powered oversight not only ensures that trainees are performing tasks correctly but also contributes to the organization's **Work Intelligence** by documenting verified actions. This compounding knowledge base becomes an invaluable asset, capturing the nuances of expert work and transforming individual learning experiences into organizational knowledge.

Field IQ 2.0 represents a transformative step in industrial training, offering a comprehensive, flexible, and effective solution to the challenges of hands-on skills development. By integrating advanced technologies with innovative training methods, it enables industries to overcome logistical barriers, enhance competency, and ensure workforce readiness for high-stakes operations.

BENEFITS/OUTCOMES

Field IQ 2.0 is a game-changer for industrial training, providing a multitude of benefits that enhance both individual and organizational performance. By facilitating faster, safer training

sessions, the platform allows trainees to develop essential skills and muscle memory with minimal logistical constraints and at significantly reduced costs.

Accelerated Learning and Skill Development

The strategic integration of **Field IQ 2.0**'s three modalities—**Field IQ Anywhere**, **Field IQ Board**, and **Field IQ Live**—enables accelerated learning by providing trainees with diverse training environments. This multifaceted approach allows workers to transition seamlessly from virtual simulations to tangible practice and finally, real-world application. As a result, trainees can quickly internalize procedures and develop practical skills that are essential for high-stakes operations.

Enhanced Muscle Memory and Practical Skills

The use of **Tangible AR** in the **Field IQ Board** facilitates the development of true muscle memory, as trainees interact with digital equipment using real tools. This hands-on practice is crucial for ingraining complex procedures, such as lockout routines, ensuring that workers can perform tasks accurately and efficiently in actual work environments. By engaging in realistic simulations, trainees gain confidence in their abilities and are better prepared to handle real-world challenges.

Minimal Logistics, Maximum Reach

Field IQ 2.0 overcomes traditional training barriers by minimizing logistical requirements. The use of mobile devices and smart glasses means that training can occur without the need for physical equipment, reducing costs and eliminating the need for trainees to travel. This flexibility allows organizations to extend training to remote locations, ensuring that all employees have access to high-quality learning experiences, regardless of their geographical location.

Contribution to Organizational Knowledge and Competency

A key outcome of **Field IQ 2.0** is its contribution to an organization's **Work Intelligence**. By capturing verified actions and performance data, the platform builds a comprehensive knowledge base that reflects how expert work is conducted. This documentation not only enhances competency verification through **Assess IQ** but also serves as a valuable resource for continuous improvement and knowledge retention within the organization.

Safety and Compliance

By providing a controlled environment for training, **Field IQ 2.0** enhances safety and compliance. Trainees can practice procedures without the risks associated with direct exposure to hazardous equipment. The AI evaluation system ensures that only verified competencies are recorded, supporting compliance with industry standards and reducing the likelihood of errors in the field.

In summary, **Field IQ 2.0** delivers measurable benefits that extend beyond traditional training outcomes. It not only equips workers with the skills needed for immediate application but also enriches the organization's knowledge base, fostering a culture of continuous learning and operational excellence. This innovative platform is a pivotal tool in transforming workforce capability for the AI era, bridging the gap between knowledge and action in high-stakes environments.

CONCLUSION

Field IQ 2.0 signifies a pivotal evolution in the realm of immersive learning technology, fundamentally reshaping how industrial training is conducted across diverse industries such as energy, manufacturing, and process sectors. This platform's innovative approach provides a flexible, accessible, and efficient solution that meets the high-stakes demands of modern workforce training. With its introduction, organizations now have the opportunity to significantly enhance the competency, timeliness, and safety of their workforce training programs.

At the core of **Field IQ 2.0** is its unique ability to deliver **AI-guided practice** through a multi-modal approach that integrates seamlessly with existing technologies. This approach breaks free from the traditional constraints of hands-on training, which often required direct access to physical equipment. Instead, **Field IQ 2.0** empowers workers to engage in realistic training scenarios without the need for the actual equipment, which may be in use, located offshore, or in hazardous environments.

The platform's three modalities—**Field IQ Anywhere**, **Field IQ Board**, and **Field IQ Live**—each contribute to a comprehensive training experience that mirrors the **Show Me → Let Me Try → Evaluate Me** methodology. **Field IQ Anywhere** provides full virtual engagement, leveraging the **Genesis simulation library** to bring any equipment into the trainee's environment via a phone or tablet. This modality eliminates logistical challenges, offering infinite reach and unparalleled accessibility.

The **Field IQ Board**, through its **Tangible AR** feature, bridges the gap between digital and physical training by allowing trainees to work with real tools on a printed, magnetic board. This innovative mode fosters true **muscle memory** development at a fraction of the cost of traditional training methods. It enables whole teams to interact with scalable, life-like equipment representations, thereby enhancing collaborative learning and understanding.

Field IQ Live completes the training ladder by overlaying step-by-step guidance directly onto real-world assets using smart glasses. This hands-free approach ensures that workers can practice and perform procedures with real-time feedback, simulating real-world conditions and promoting confidence in their skills.

An integral component of EON AI Ventures' **Intelligence Flywheel**—which also includes **Genesis** for simulation authoring and **Assess IQ** for verified competency capture—**Field IQ 2.0** ensures that every action performed by trainees is captured and scored. This data-driven approach not only accelerates the training process but also contributes to a **Work Intelligence** repository that compounds over time, offering organizations a verified record of expert procedures. This accumulation of knowledge enhances decision-making, promotes safety, and improves overall operational efficiency.

The implications of adopting **Field IQ 2.0** are profound. Organizations that integrate this platform into their training programs can expect to see measurable improvements in time-to-competency, knowledge retention, and safety compliance. By embracing this innovative solution, companies are positioning themselves at the forefront of workforce transformation, ensuring that their teams are equipped with the skills necessary to thrive in the rapidly evolving AI era.

In conclusion, the introduction of **Field IQ 2.0** by EON AI Ventures represents a breakthrough in industrial training methodologies. Its ability to deliver comprehensive, hands-on training without the physical constraints traditionally associated with such programs is unmatched. As industries continue to navigate the complexities of the modern world, adopting advanced solutions like **Field IQ 2.0** will be essential for maintaining a competitive edge and fostering a capable, agile workforce.