



Computer Vision Platform

Stadiums and Sports Venues

Solve critical safety challenges while creating state-of-the-art experiences

Trusted partner for your Digital Journey



AtoS

Over the past decade, the on-field performance of professional sports teams has improved exponentially: the pace of play is faster, the game-plans are more sophisticated, and the athletes are more skilled than ever before.

It's not only in-game performance where the competitive bar has been raised. Players, coaches, and fans now have greater expectations for off-field experiences as well. Fans are no longer interested in just the game alone and athletes expect to be offered first-class conveniences.

An team's success is dependent on keeping their players and fans safe while also providing them with world-class experiences - which is not always easy in a venue that attracts tens of thousands of people, not to mention celebrity athletes and coaches who need fast, easy access to high security areas like the field, locker rooms or training facilities.

Investing in digital solutions can help achieve both of these goals. By using your existing systems, Atos can help your stadiums and practice facilities solve these fundamental challenges.

¹[https://www2.deloitte.com/us/en/pages/technology-media-and-telecommunications/article\[...\].html](https://www2.deloitte.com/us/en/pages/technology-media-and-telecommunications/article[...].html)

“

The sports industry, in particular, is undergoing rapid upheaval, and digital technology is unlocking unprecedented opportunities for growth. In order to fully capitalize on those opportunities, however, sports organizations will have to embed digital in every aspect of the business, transforming people, processes, and technology.¹

”

Deloitte.

Key Challenges

Managing tens of thousands of individuals simultaneously

Understanding who and what threats are in your space

Maintaining a safe, yet unobtrusive security protocol

Providing a first-class experience to players, fans and staff

Sustaining a reputation of being a leader in in-person hospitality



Complying with league-wide health and safety protocols

Supporting and analyzing massive video streams

Providing real time alerts and analytics

Overcome network bandwidth saturation

Capabilities for Solving These Challenges



Atos Computer Vision Platform provides

Seamless entry at the stadium gate

No physical ticket or mobile credentials needed

Fast, easy authentication for staff

no pre-shift lines or bottlenecks

Instantly investigate public safety disturbances

Identify all repeated appearances of individuals of interest

High inference & streaming capabilities at the edge

Video analysis in real-time thanks to powerful AI inference at the edge. The server is equipped of 2 Nvidia Tesla 4 GPUs and a powerful 16 core Intel® Xeon® D processor for fast analysis locally.

Secure, personalized access to VIP areas

including locker rooms, and practice facilities both on and off the field

Keep your environments “touchless”

Limit physical contact and crowding in high traffic areas

Automated security alerting for persons of interest

Know who is always where in your space

End to end offering from consulting to support & management services

Maintains Edge devices and provides secure access locally on both human and machine-interface level. Atos makes sure that functionality and secure connectivity are up-to-date by automatic monitoring of edge devices and identifying unusual events in real time.

Investment in visual intelligence solutions goes beyond customer experience and security improvements. It also adds tools to your arsenal in combating the spread of COVID-19.

Managing exposure risk within stadium facilities is absolutely critical to keeping operations running during the pandemic and beyond.

Atos build this technology with these league-wide protocols in mind and provides an easily deployed solution that uses your existing camera and access control infrastructure.



Identify without requiring the removal of masks



Reduce surface contact and crowding with fast, touch-free access



Recognize when someone is not wearing a mask



Track known carriers and anyone they've been in contact with



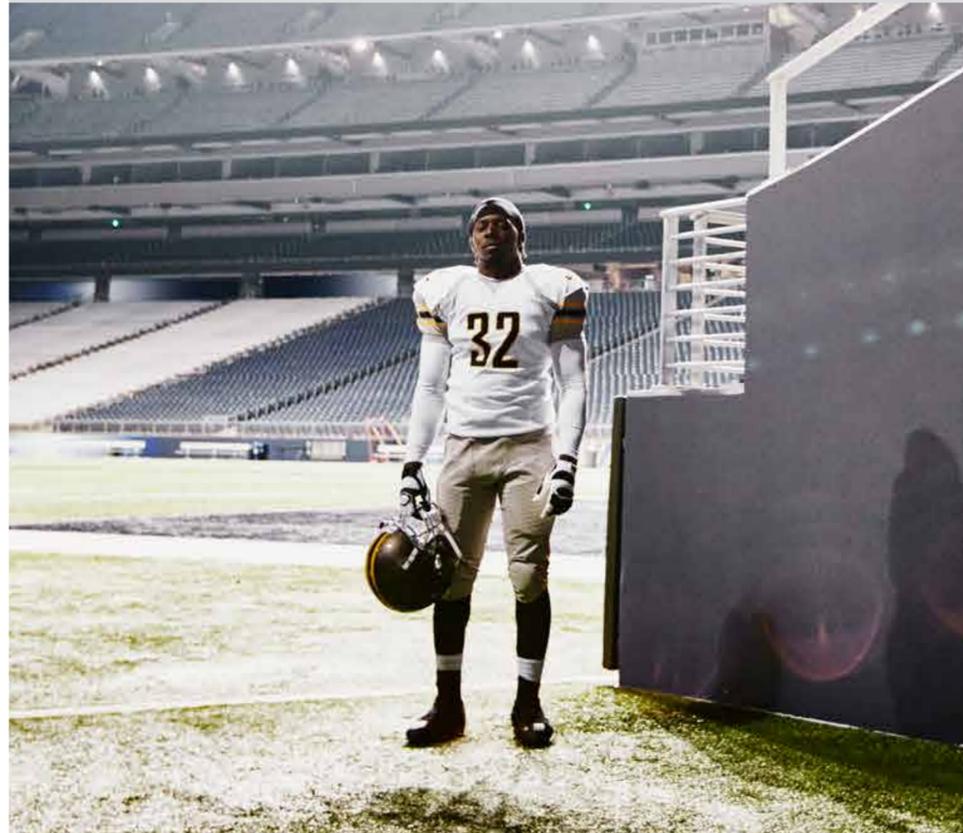
Use cases

Touchless Access Control for stadium entry



- Reliable, recognition-based system to enable fast, seamless access to the facility without compromising privacy
- Speed control at entry to flow

Critical entry points within the facility and on the field



- Solution to provide touchless, secure credentialing of staff in-and-out of the stadium
- Add another layer of security for football players and coaches on and off the field on game day

Securisation of strategic access points



- Strategic access points in the stadium, including the locker room, practice facility, weight room, cafeteria, sports medicine / recovery room, and executive areas

Computer Vision Platform

The highly scalable end-to-end computer vision platform

Pre-trained
& customizable
AI models



One hardware & software platform providing pre-trained & customizable AI models enriched by Atos computer vision experts through a worldwide labs.

VISuite



VISuite empowers automation in CCTV applications through premium high end video analytics for live response and forensic investigations. It has been successfully deployed in mission critical solutions globally, across multiple verticals. VISuite is at the forefront of the Artificial Intelligence revolution backed by strong global patents.

[Learn more >](#)



Full range of edge computing servers from edge datacenter/cloud to far edge

Atos Computer Vision Platform is based on compute intensive servers allowing cloud to edge computer vision models to process data in real time anywhere, whatever business constraints

BullSequana Edge nano



Plug & play analytics in a compact & ruggedized server

[Learn more](#)

BullSequana Edge



AI inference and training outside the datacenter

[Learn more](#)

BullSequana SA20G



AI inference & training inside the datacenter

[Learn more](#)

BullSequana X451



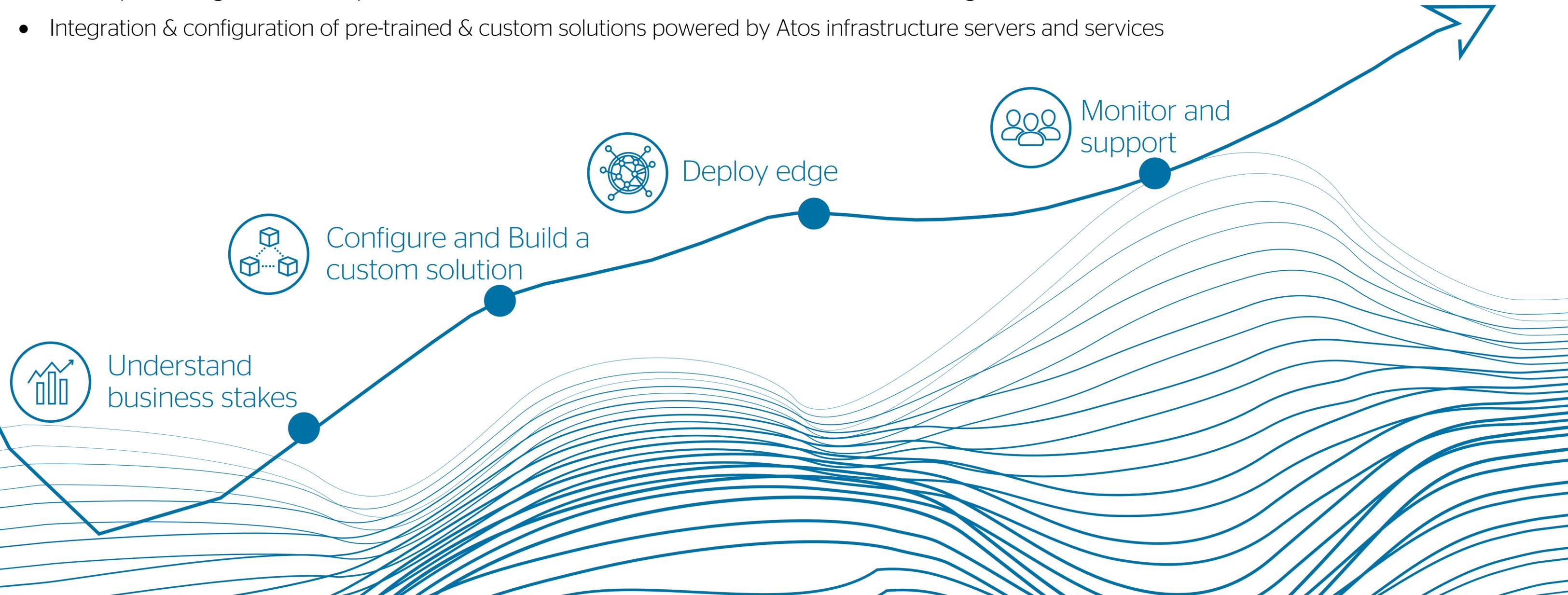
High performance computer vision computing for training

[Learn more](#)

Atos delivers an end-to-end computer vision approach

We take into account your existing infrastructure and your priorities, to go from idea to realization. The Atos approach combines business and technology expertise and accelerates the passage from idea to implementation.

- Delivering custom service with our worldwide expert labs
- Delivery & managed service to provide the best model to the customer APEX/OPEX Consulting
- Integration & configuration of pre-trained & custom solutions powered by Atos infrastructure servers and services



Today, adoption of state-of-the-art tools that have a real impact on safety and how stadiums and venues are experienced is paramount in maintaining a competitive edge and protecting fans, athletes and staff.

Atos Computer Vision Platform delivers powerful AI inference & real time analytics at the edge while keeping data safe and secure. Fully autonomous from networks and datacenter infrastructure, it is the perfect fit for outdoor & indoor stadium computer vision analytics.

Learn more 

Learn more

Visit our web page

[Atos' Edge Computer Vision](#)

**Contact us for more information or
to request a quote**

mehdi.kasmi@atos.net

chris.bishop@ipsotek.com

boghos.boghossian@ipsotek.com

About Atos

Atos is a global leader in digital transformation with 105,000 employees and annual revenue of over € 11 billion. European number one in cybersecurity, cloud and high performance computing, the Group provides tailored end-to-end solutions for all industries in 71 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos operates under the brands Atos and Atos|Syntel. Atos is a SE (Societas Europaea), listed on the CAC40 Paris stock index.

The purpose of Atos is to help design the future of the information space. Its expertise and services support the development of knowledge, education and research in a multicultural approach and contribute to the development of scientific and technological excellence. Across the world, the Group enables its customers and employees, and members of societies at large to live, work and develop sustainably, in a safe and secure information space.

Find out more about us

atos.net

atos.net/career

Let's start a discussion together



Atos, the Atos logo, Atos|Syntel are registered trademarks of the Atos group.

© 2021 Atos. Confidential information owned by Atos, to be used by the recipient only. This document, or any part of it, may not be reproduced, copied, circulated and/or distributed nor quoted without prior written approval from Atos.