

Empowered by Innovation

**NEC**

**Stadium Solutions**

**Your dreams. Our solutions.**



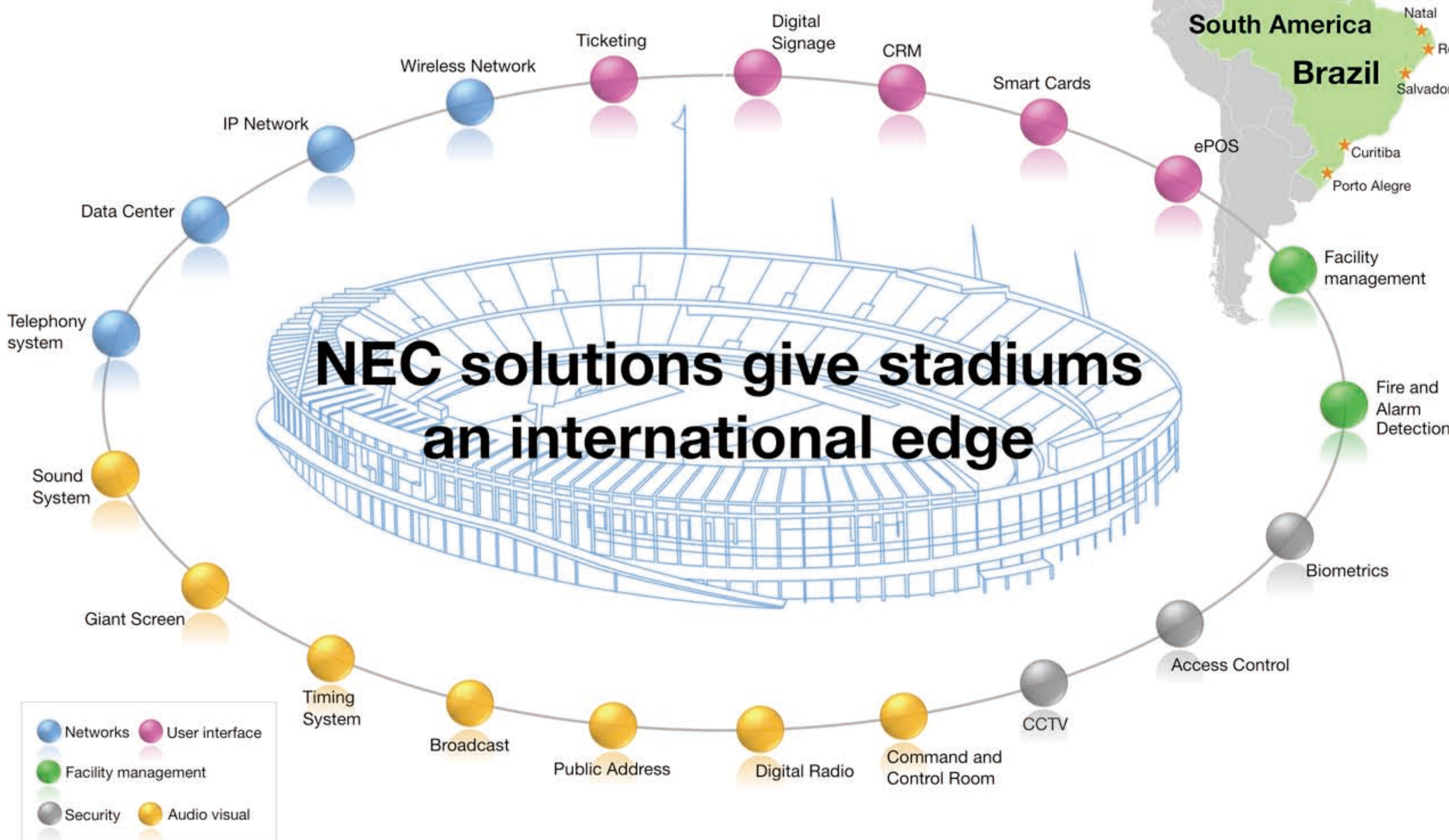
**The choice of stadiums  
hosting international  
games**



# Optimized stadium solutions

## On schedule, on cost, on target.

Stadiums hosting international games in Brazil employ NEC's fully integrated, centrally managed networks, audio-visual systems and security systems.



**Sergio Almeida, IT manager of Arena Fonte Nova**

"The biggest challenge in hosting the World Cup was ensuring safety, which led us to adopt globally renowned NEC technology. It even lets us control the admission of rowdy supporters by saving images taken by surveillance cameras."



**José Ayres de Campos, Engineering Director of ODEBRECHT PROPERTIES**

"Our challenge was to manage more than a hundred vendors at the same time while satisfying expectations of time, cost and quality. We succeeded because of the full support of NEC, which also provided an integrated system for greater safety and security."



Itaipava Arena Pernambuco, Recife

Arena do Grêmio, Porto Alegre

Itaipava Arena Fonte Nova, Salvador

Arena da Baixada, Curitiba (simulated)

Arena das Dunas, Natal



# Why NEC?

## 1. Vast experience in preparing stadiums for international events



To host international events, a stadium must be equipped with advanced ICT systems that ensure the safety of large crowds while also heightening entertainment. NEC has vast global experience in designing and implementing ICT solutions that fully meet world-class international safety, security and entertainment standards.

## 2. Smooth implementation that's always on schedule



NEC smoothly and seamlessly integrates the right systems from multiple vendors, manages project costs and scheduling, and supervises quality of execution to deliver leading performance, reliability and management ease. Our extensive track record in implementing social infrastructure is simply unrivaled.

## 3. Benefits that extend far beyond big events



NEC solutions not only attract big international events, but also attract more visitors, investment and revenue in the long run. Our user-friendly ICT solutions, backed by cutting-edge technology, support the addition of new sources of revenue and long-term sustainable prosperity.







# Safety

NEC's integrated solutions make stadiums safer and more comfortable. They include advanced fire detection systems, cameras that monitor for emergencies, and systems that can smoothly evacuate everyone from the stadium in just eight minutes if an emergency arises.



## Biometric security solutions

NEC facial recognition gate systems recognize each visitor in just one second to enable higher security and safety. Our biometric technologies are among the world's most accurate and are employed by law enforcement and immigration agencies worldwide.



# Security

Personal security is essential for communities to thrive. In Japan, NEC contributes to some of the safest expressways in the world through traffic control systems that monitor and analyze traffic conditions. Advanced security technologies from NEC nurture every individual's efforts to succeed.



## Automated vehicle clearance

Automated passenger and vehicle gates from NEC enable swift self-service entry with high-level security, thus reducing manpower and cost requirements.

## Social Value Innovations



## Solutions for Society



Your dreams. Our solutions.



# Efficiency

All NEC systems are smoothly and seamlessly integrated, allowing efficient management by a small team in the central control room. This includes systems for efficiently managing all vendors in the stadium. The result is greater cost efficiency, optimized use of resources and higher profits.



## Smart device solutions

NEC technology can combine billing and payment into one complete solution that allows customers to make payments with a simple tap using the NFC on their mobile devices. This mobile application is in service at cinemas and an amusement park.



# Equality

NEC stadium solutions benefit the whole of society by contributing to the creation of smarter cities that realize safer, more reliable and comfortable lifestyles. For over 60 years, NEC has been a leader in space technology that is now essential to protecting the global environment and providing assistance during disasters.



## e-government

NEC e-government solutions implemented in various countries help ensure that people living in the countryside receive the same government services as people living in cities.



Your dreams. Our solutions.

NEC has been a leader in  
Information and  
Communication  
Technology for

**114** years

**NEC** builds

Solutions  
for society

NEC has laid enough  
submarine cable to  
circle the globe

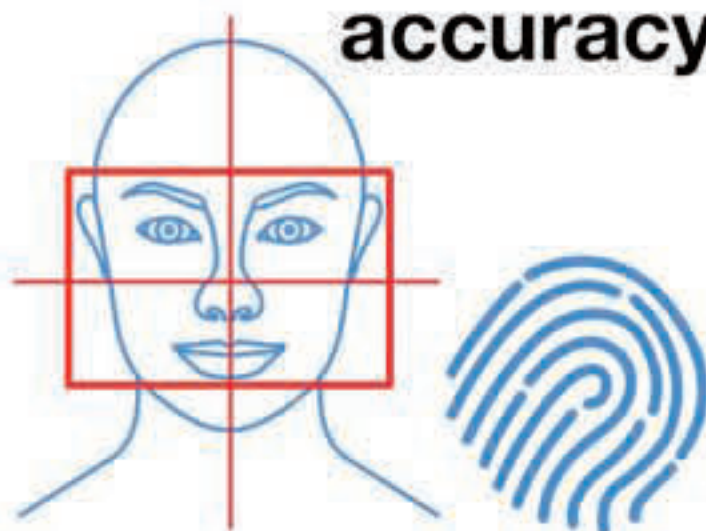
**5** times



NEC has developed

**66**  
satellites

NEC face recognition and  
fingerprint recognition\*  
accuracy is



**No.1** worldwide

\* NIST Multiple Biometric Grand Challenge  
Still Face Challenge Problem



**113**  
countries/regions

purchased NEC  
broadcast transmitters

## Who We Are

- Creating new value for people, business and society

NEC Corporation is a leader in the integration of IT and network technologies that benefit businesses and people around the world. By providing a combination of products and solutions that cross utilize the company's experience and global resources, NEC's advanced technologies meet the complex and ever-changing needs of its customers. NEC brings more than 100 years of expertise in technological innovation to empower people, businesses and society.

NEC Corporation

<http://www.nec.com/>