

# IT&T Infrastructure



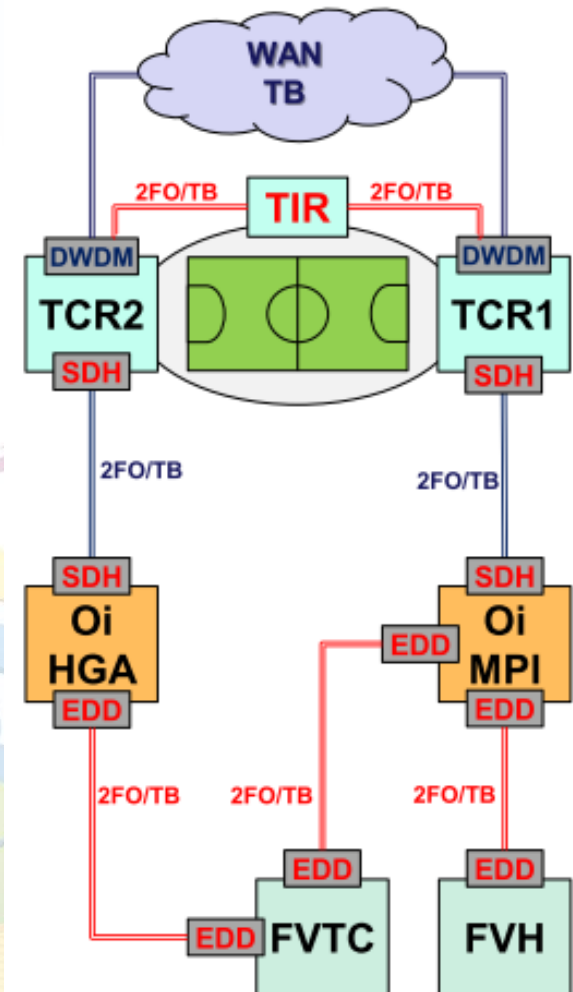
FIFA WORLD CUP  
Brasil



# Government Guarantee #11 Telecommunications



- Nation wide fiber optic backbone to support data and live video transmission between stadiums and IBC
- Dual approach (redundancy) to each event specific locations (stadiums, oficial hotels, ticketing centers, ancillary events)



# Government Guarantee #11 – Telecommunications



## Ministério das Comunicações

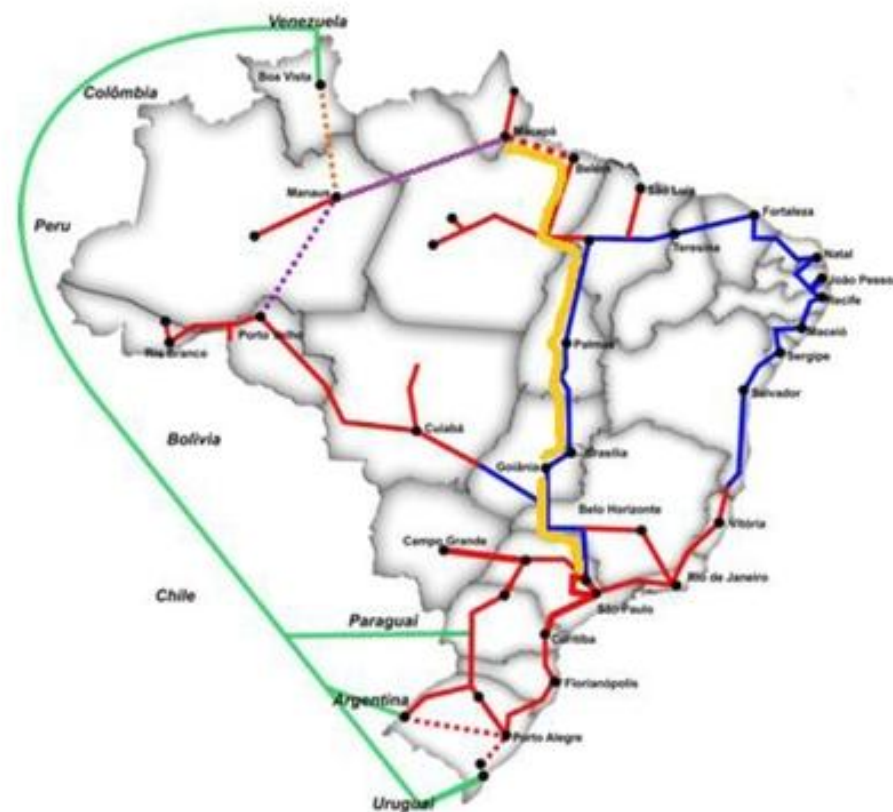


### Telebrás – expansão da rede

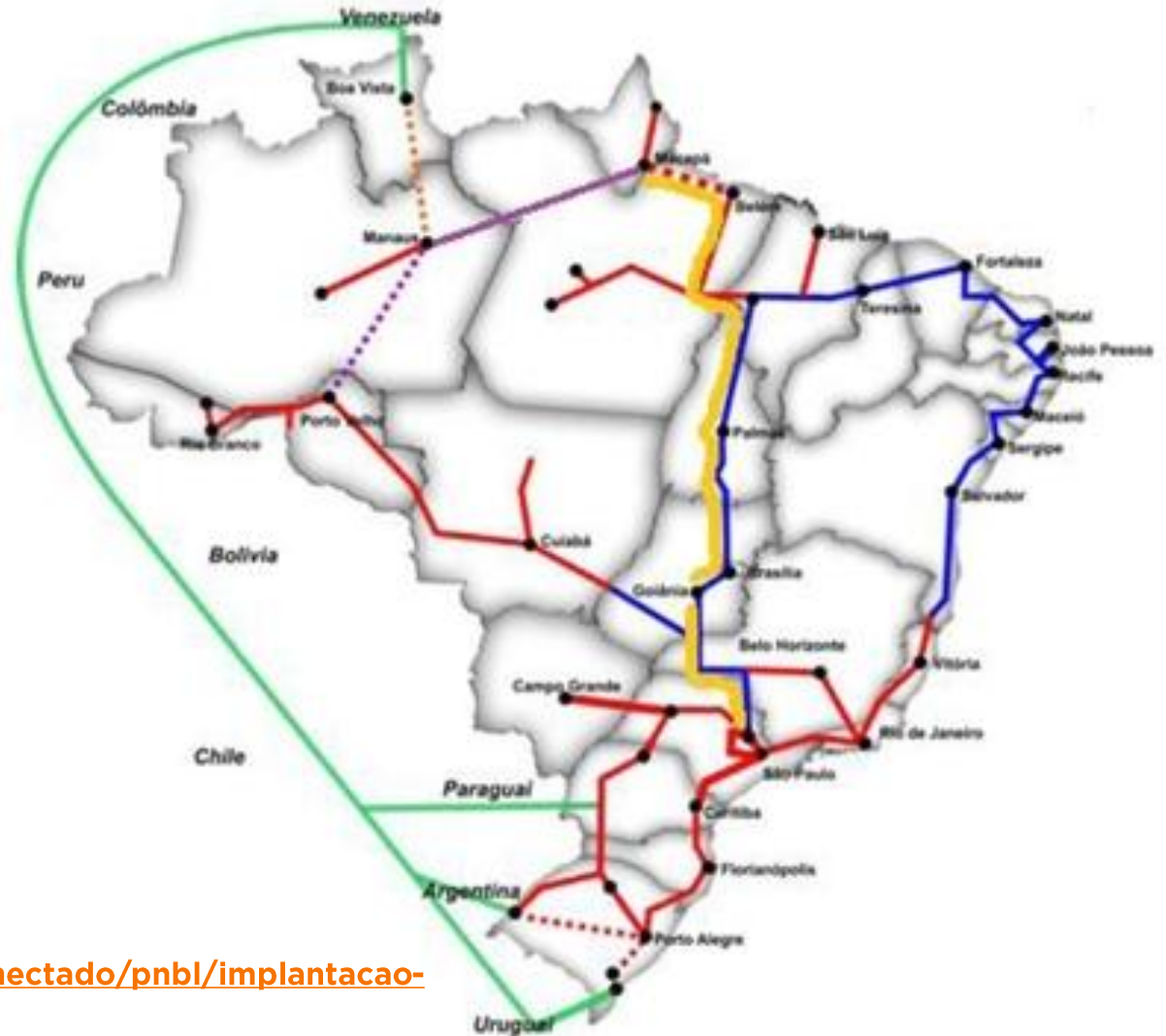
Fevereiro de 2013:

885 municípios na área de cobertura da rede terrestre

269 municípios já atendidos comercialmente



# Government Guarantee #11 - Telecommunications (2007)



<http://www4.planalto.gov.br/brasilconectado/pnbl/implantacao-e-desenvolvimento>

# Basic Infrastructure - Stadium



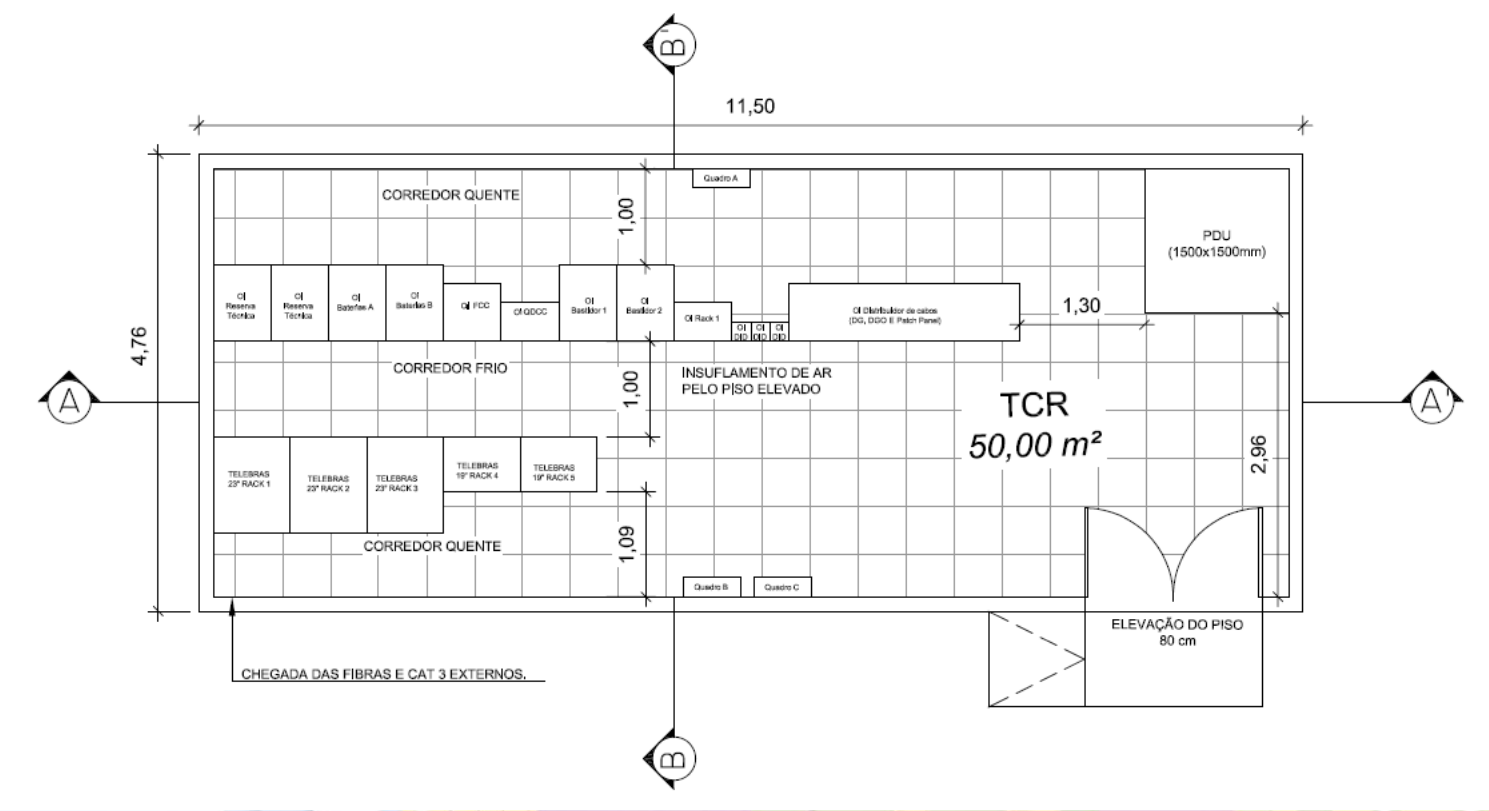
## By stadium construction (legacy)

- Telecom Carrier Room (TCR)
- Primary and Secondary Technical Rooms (PTA, STA)
- 2 x Pathway from MAN Zero hole to TCR's (exclusive and dedicated sleeves for 2 Telecom providers)
- Cabling (optical, CAT3) from TCR 1 & 2 to PTA's
- Cabling (optical, CAT3) from PTA 1 to PTA 2
- Cabling (optical, CAT3) from PTA 1 & 2 to event stadium STA's (West Tribune areas, Pitch)
- Cabling (optical) from PTA 1 & 2 to pitch corners STA's
- All TCR's, PTA's and STA's with technical power
- All TCR's, PTA's with environmentals (AC, raised floor or cabling tray)

# Basic Infrastructure - Stadium



## Telecom Carrier Room – Generic Model

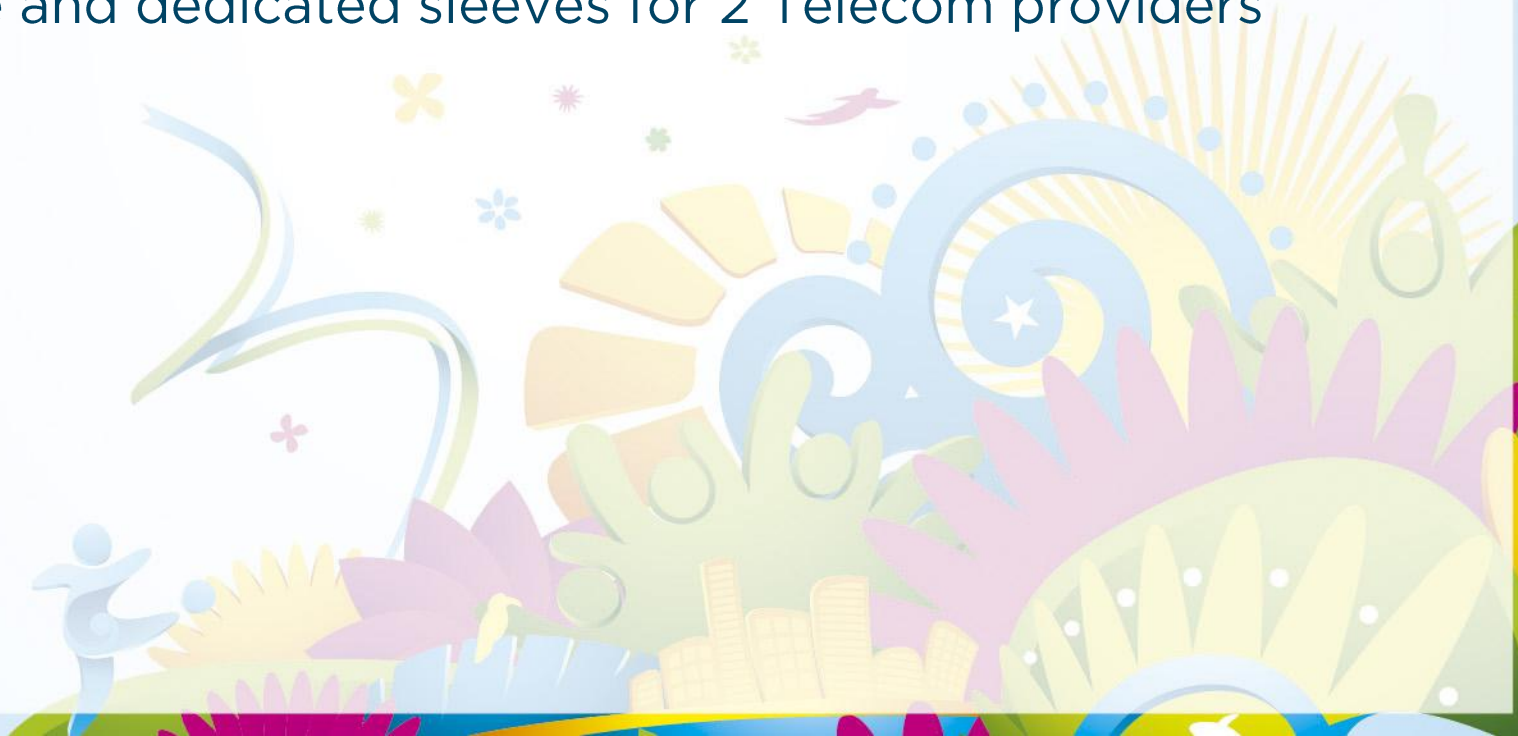


# Basic Infrastructure - Stadium



By stadium construction (legacy) for external areas

- Pathway from PTA1 & 2 to event external STA´s (stadium ticketing center, accreditation center) with exclusive and dedicated sleeves for 2 data services
- Pathway from TCR 1 & 2 to Broadcast Compound TIR with exclusive and dedicated sleeves for 2 Telecom providers



# Media Services



- High speed
- High availability (99,98%)
- Written press, photo agencies and broadcasters
- Stadium Media Center (SMC)
- Media tribune
- Mix Zone
- Broadcast Compound





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# Thank you



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