OptiBox4 / OptiBox4i
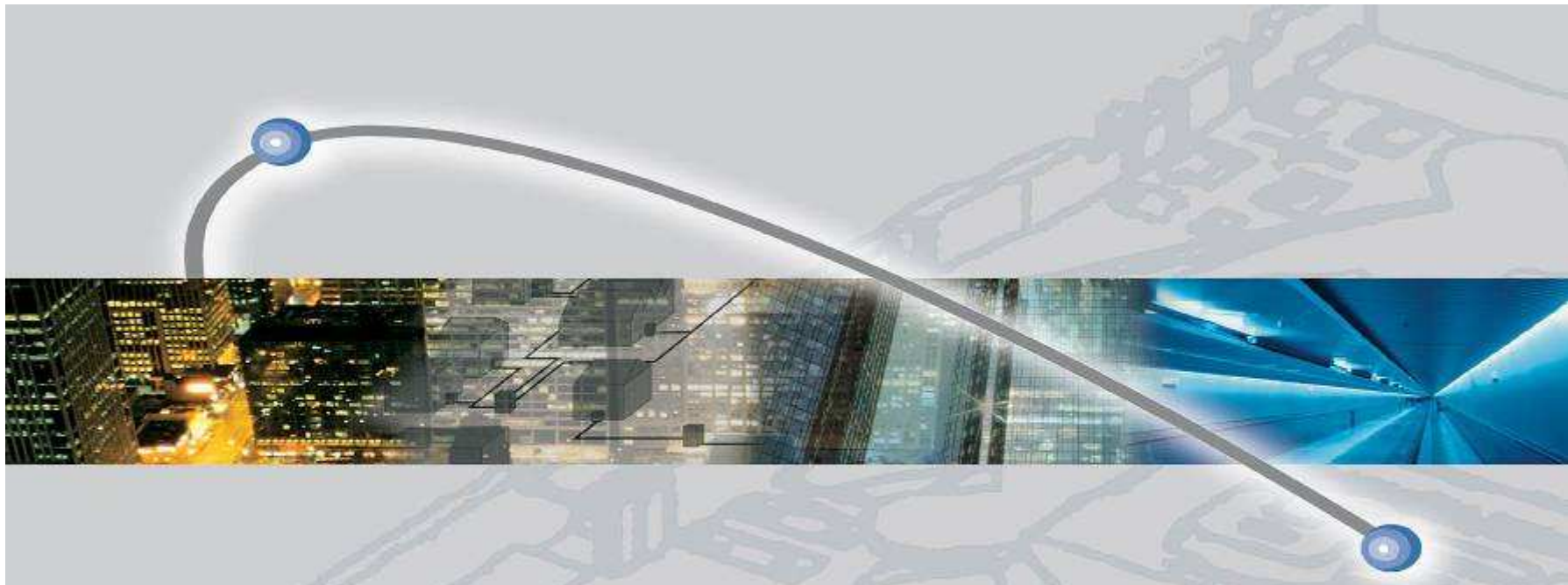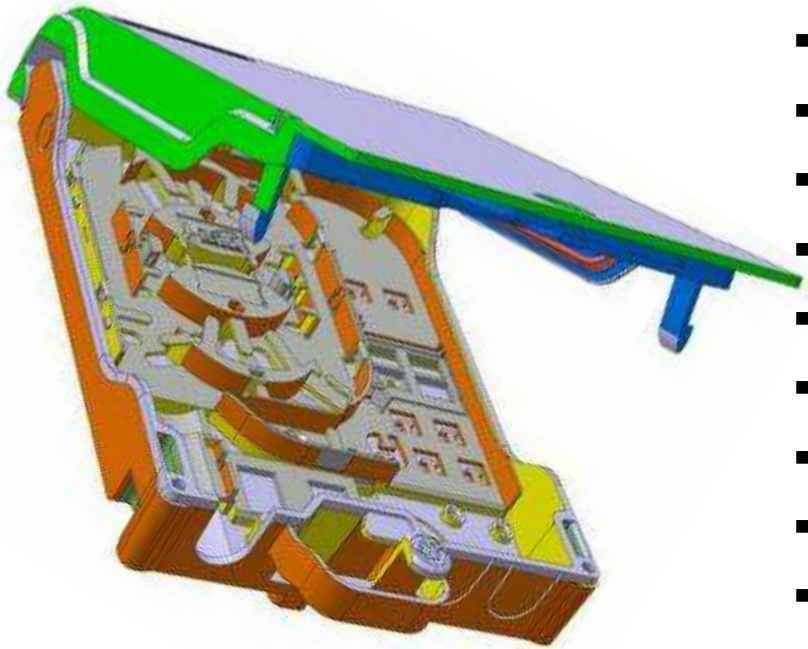
OptiBox 4

Excellence in Connectivity Solutions

main features: OptiBox4 / OptiBox4i

OptiBox4 / OptiBox4i

- for FTTH, FTTA, or industrial applications

- straightforward mounting splicing and patching box

- functionally and shapely designed, compact dimensions

- for loose tube cables or MicroDuct applications

- lockable with key

- temperature resistant plastics (-46℃ up to +81℃)

- mounted on walls or poles

- protection class IP30/54/67

- UV light resistant enclosure

- complies to EN50411-3-1

parts summary: OptiBox4

clip-on cover

with or without lock

cover additionally lead-sealable
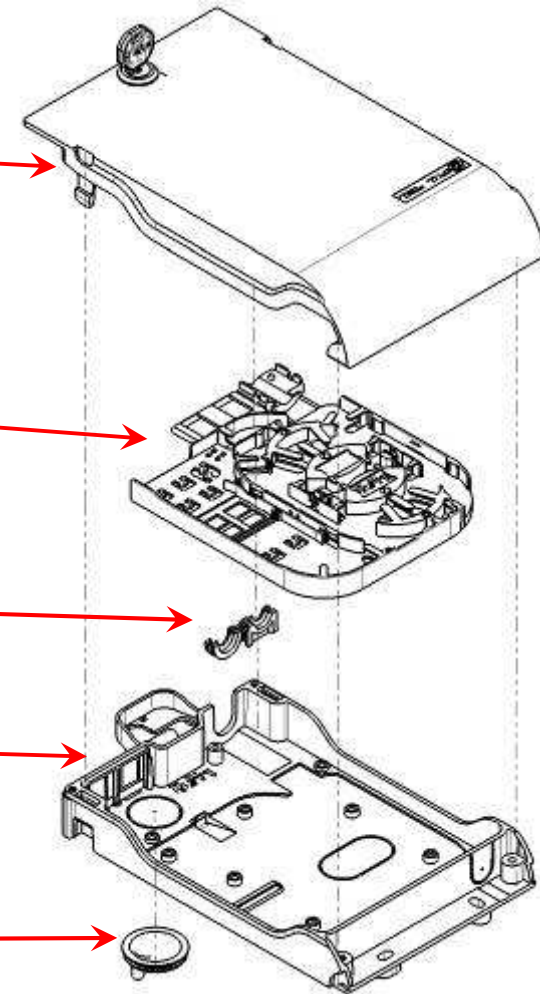
Fiber Management Tray (Fiber Inlay)

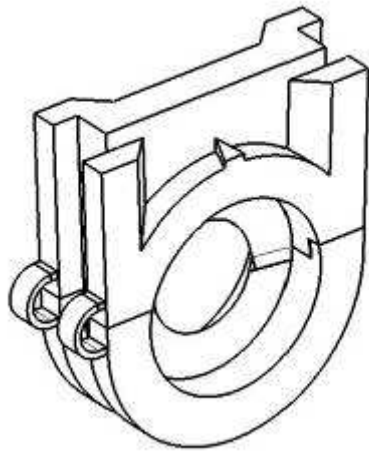latching or removing

hinged half-shell cable grommets

OptiBox4 base part

low side walls increases straightforward mounting
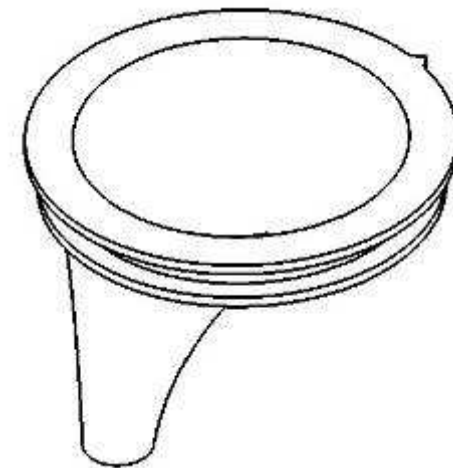
trumpet cable grommet

parts summary: OptiBox4 cable seals

- **hinged half-shell cable grommets**

  seals cable or MicroDuct entries

  3 sizes: 3 – 5mm / 6 – 8mm / 9 – 12mm

  no slipping over cable

- **trumpet cable grommet**

  seals cable exit through OptiBox4 base part

  various cable diameter possible because of V-shaped exit
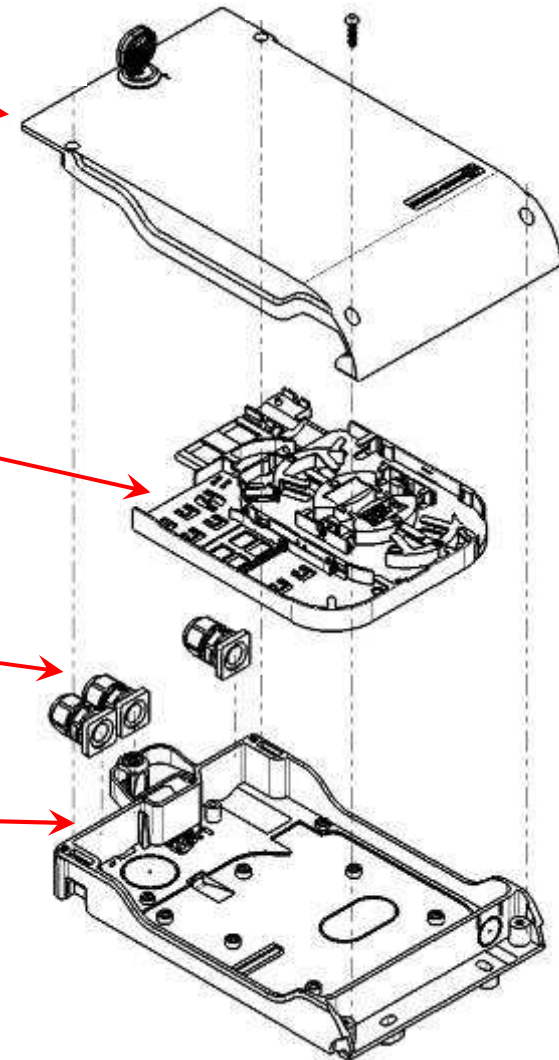
  radius protected cable exit (30mm)

parts summary OptiBox4i

screwed on cover

with or without lock

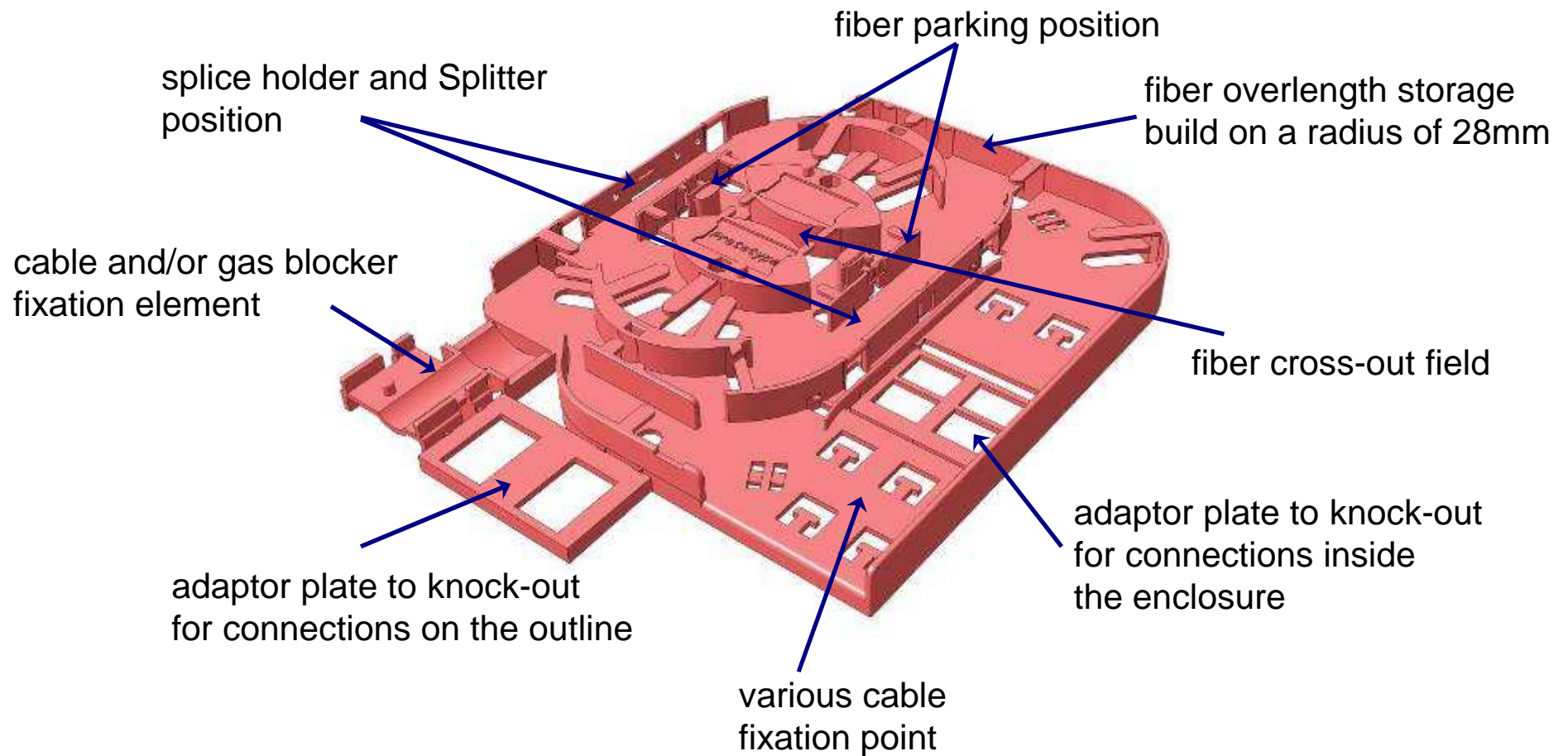cover additionally lead-sealable

„captive" screws

Fiber Management Tray (Fiber Inlay)

latching or removing

Polyamide cable glands M16

cable diameter 5.5 – 10mm

OptiBox4i base part

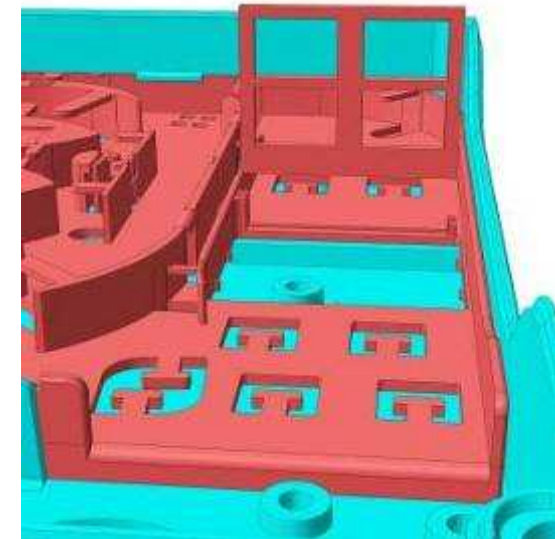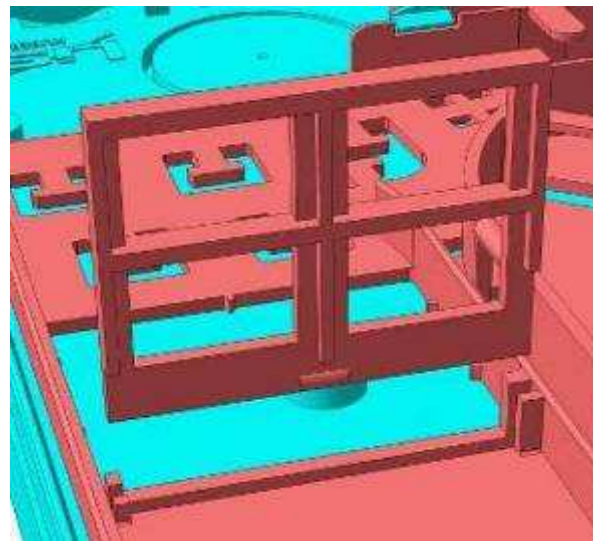low side walls increases straightforward mounting

Fiber Management tray features

fiber parking position

splice holder and Splitter position

fiber overlength storage build on a radius of 28mm

cable and/or gas blocker fixation element

fiber cross-out field

adaptor plate to knock-out for connections on the outline

adaptor plate to knock-out for connections inside the enclosure

various cable fixation point

Adaptor field features
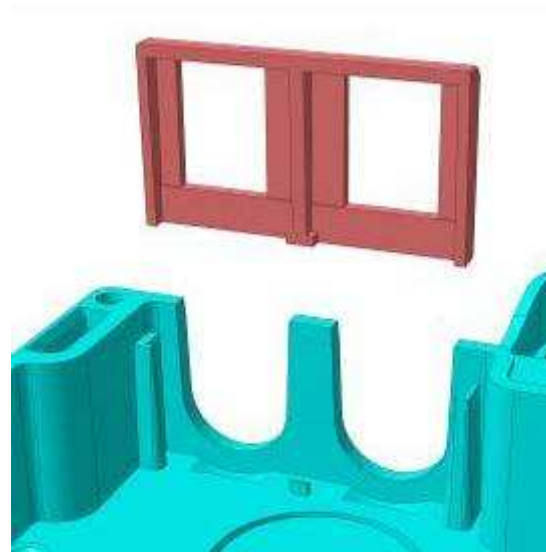
Adaptor field inside positioned:

- for 4x   SC-Simplex, E-2000^{TM}-Simplex,

    LX.5-Duplex, LC-Duplex Adaptor

- removable for later-on changing or cleaning of connectors

- to knock-out of Fiber Inlay

Adaptor field features

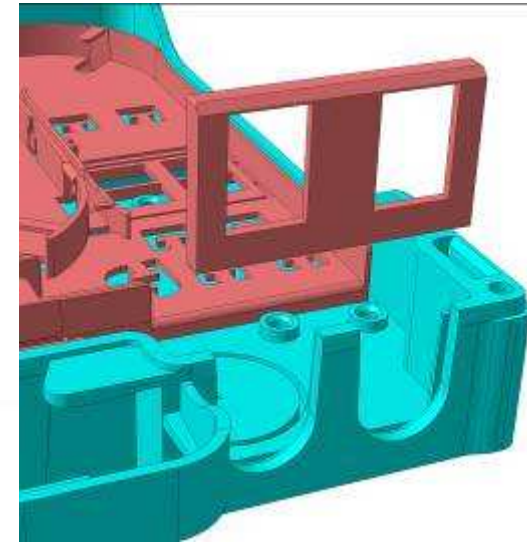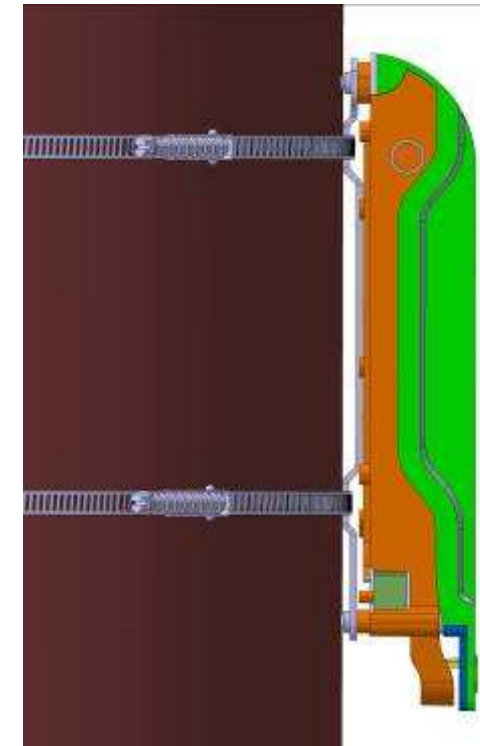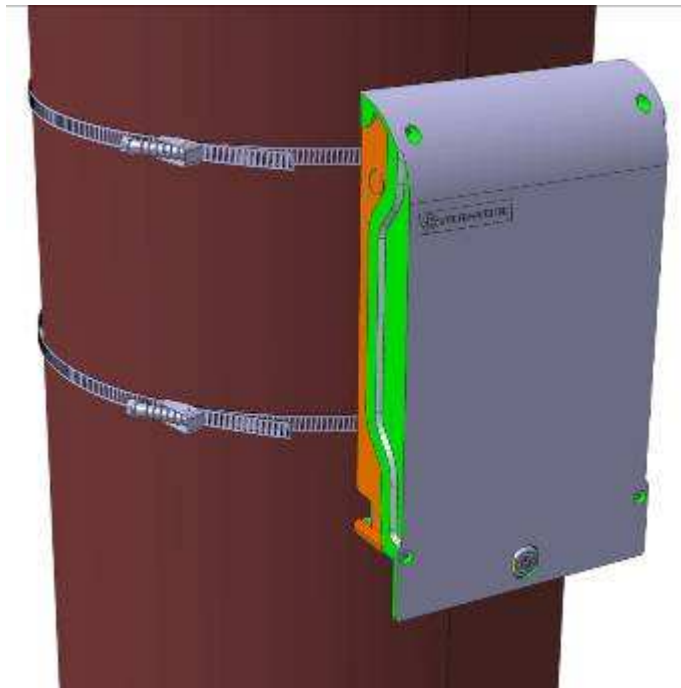Adaptor field on outline positioned:

- for 4x SC-Simplex, E-2000^{TM}-Simplex,

  LX.5-Duplex, LC-Duplex Adaptor

- removable for later-on changing or cleaning of connectors

- to knock-out of Fiber Inlay

- fits into U-shaped cut-out
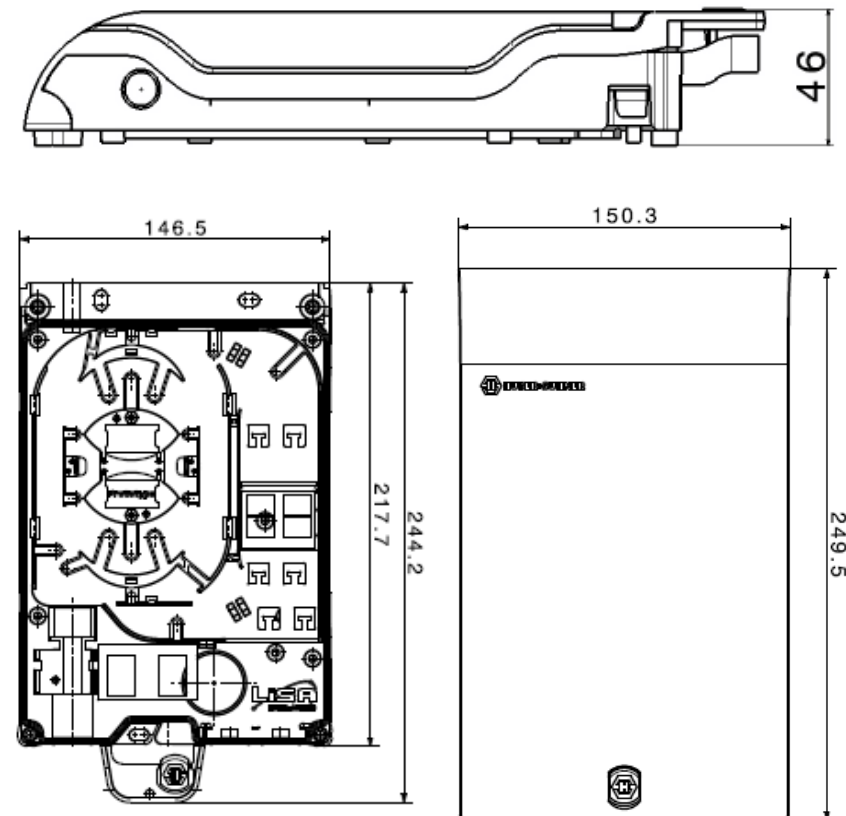
OptiBox4 / OptiBox4i

simple mounting on poles:

- quick hose clamps
- 2 sizes: Ø 155mm, Ø 500mm
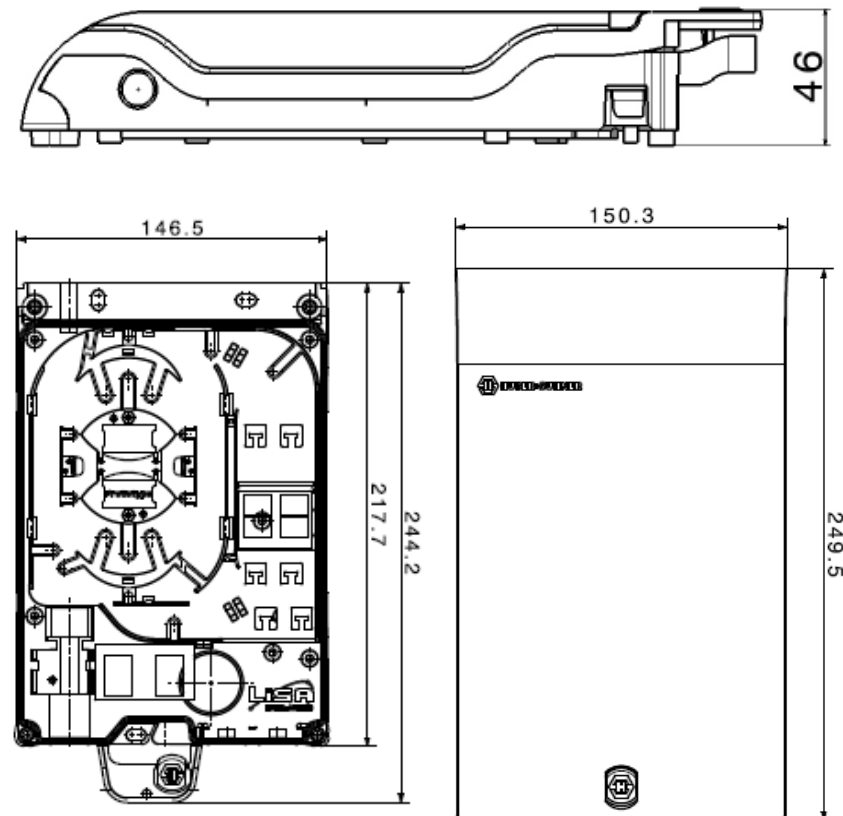- for OptiBox4 and OptiBox4i
- captive cover

Technical Details: OptiBox4

- Dimension: 150x250x46mm

- Protection class: IP 30/54

- Impact class: IK08

- Material: PC, PC/ABS

- Flammability rating: UL 94V-0

- UV resistance: resistant

- Free of halogen: yes

- colours:
  - cover, base part RAL 9016 (traffic white)
  - Fiber-Inlay RAL 9002 (grey white)
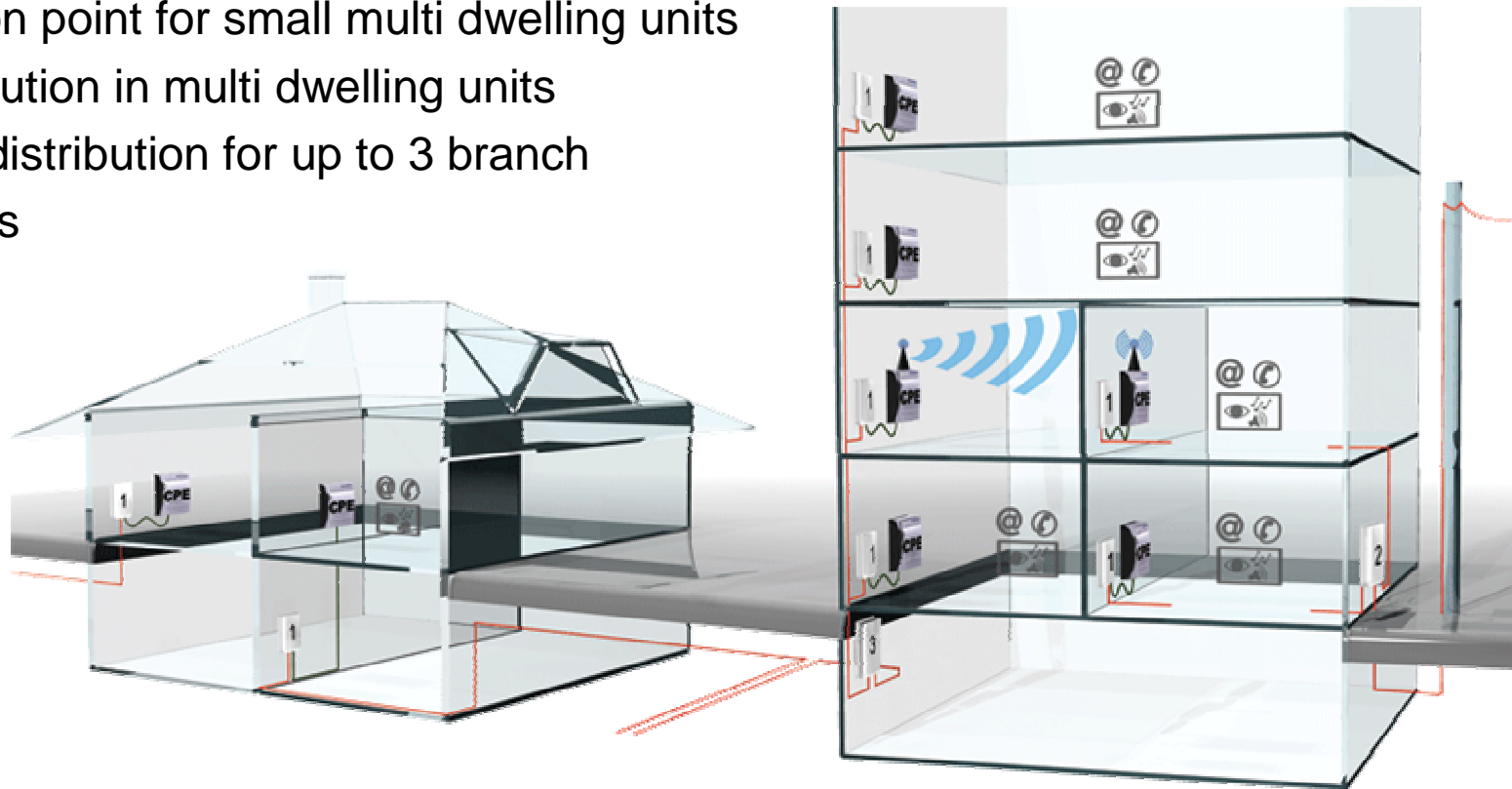 - sealing grommets RAL 9005 (jet black)

Technical Details : OptiBox4i

- Dimension: 150x250x46mm

- Protection class: IP 67

- Impact class: IK08

- Material: PC, PC/ABS

- Flammability classification: UL 94V-0

- UV resistance: resistant

- Free of halogen: yes

- colours:

  cover, base part RAL 7024 (graphite grey)

  Fiber-Inlay RAL 9002 (grey white)

  polyamide cable glands RAL 9005 (jet black)

applications OptiBox4 (Telecom)

- demarcation point for single family homes
- demarcation point for small multi dwelling units
- floor distribution in multi dwelling units
- Star point distribution for up to 3 branch connections

MicroDuct blow-in system applications

blow-in system:

- Micro cable splices onto pigtail
- Micro cable spliced onto cable

sealing:

- Gas blockers of various brands
- Water blockers of various brands

MicroDuct blow-in system applications

MASTERLINE Push-Fit:

- field mountable micro-cable system

- up to 8 fibers assembled on connectors

- mix of connections or splices

  (cascading of boxes is possible)

Pre-assembled cable system applications

MASTERLINE quick:

- pre-assembled or field mountable loose tube cable system
- up to 8 fibers assembled on connectors
- mix of connections and splices (cascading of boxes is possible)

Splitter application

Splitter solution:

- fibers on connectors / pigtails
- fiber to fiber splicing
- mix of connections and splices
  (cascading of boxes is possible)

Capacity:
- 1x 1:8 PLC-Splitter
- 2x 1:4 PLC-Splitter
- 3x 1:2 FBT-Splitter

Splicing cable to cable

Conventional cable installation:

- fibers on connectors / pigtails
- fiber to fiber splicing
- mix of connections and splices
  (cascading of boxes is possible)
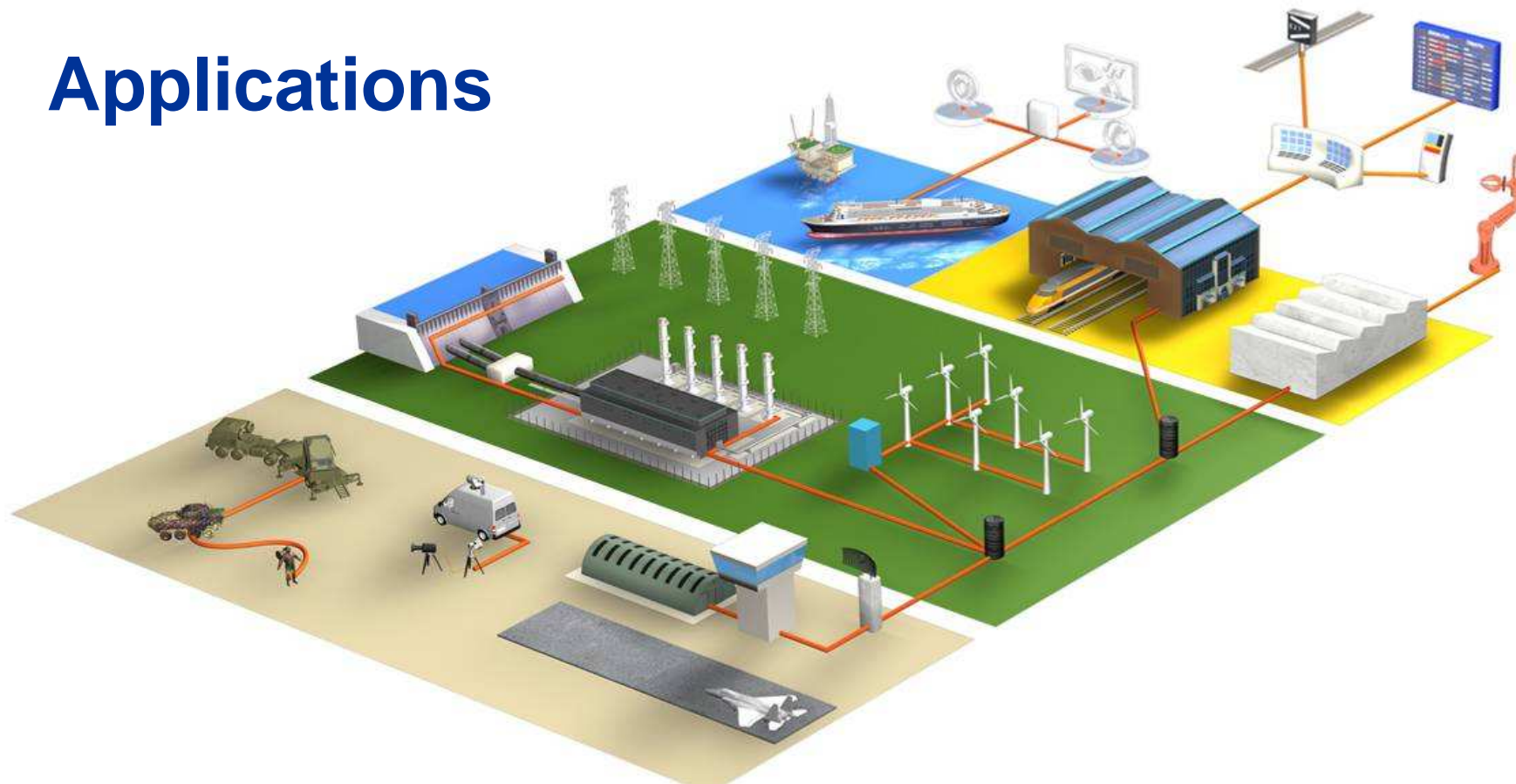
Mini street cabinet application

OptiBox4i:

- Increased mechanical protection with metal enclosure / pillar
- Cable overlength is securely stored in enclosure
- MicroDuct blow-in system or conventional cable installations
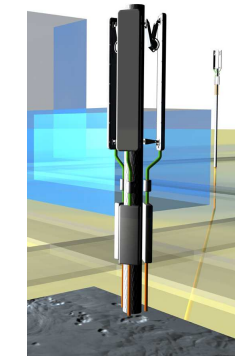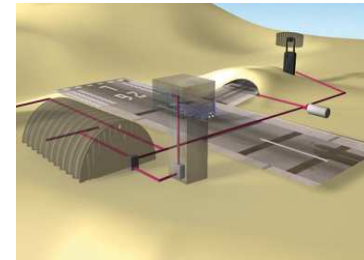- Splicing of cable to cable

OptiBox 4i for Industry

Applications

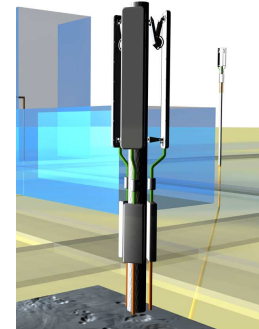# OptiBox 4i - the Box for Industry applications

Application segments:
- Infrastructure (airports, harbours, railway stations, bridges, factories, …)
- Wind turbines
- Surveillance
- Automation and Machinery
- Traffic-control systems
- Broadcast
- Ships
- Oil- and gas platforms
- Mobile communication (FTTA)

OptiBox 4i - the Box for Industry applications

Cabling of:

- Cameras

- Displays

- Antennas resp. „Remote Radio Heads"
  or „Access Points"

- Sensors

- Actuators
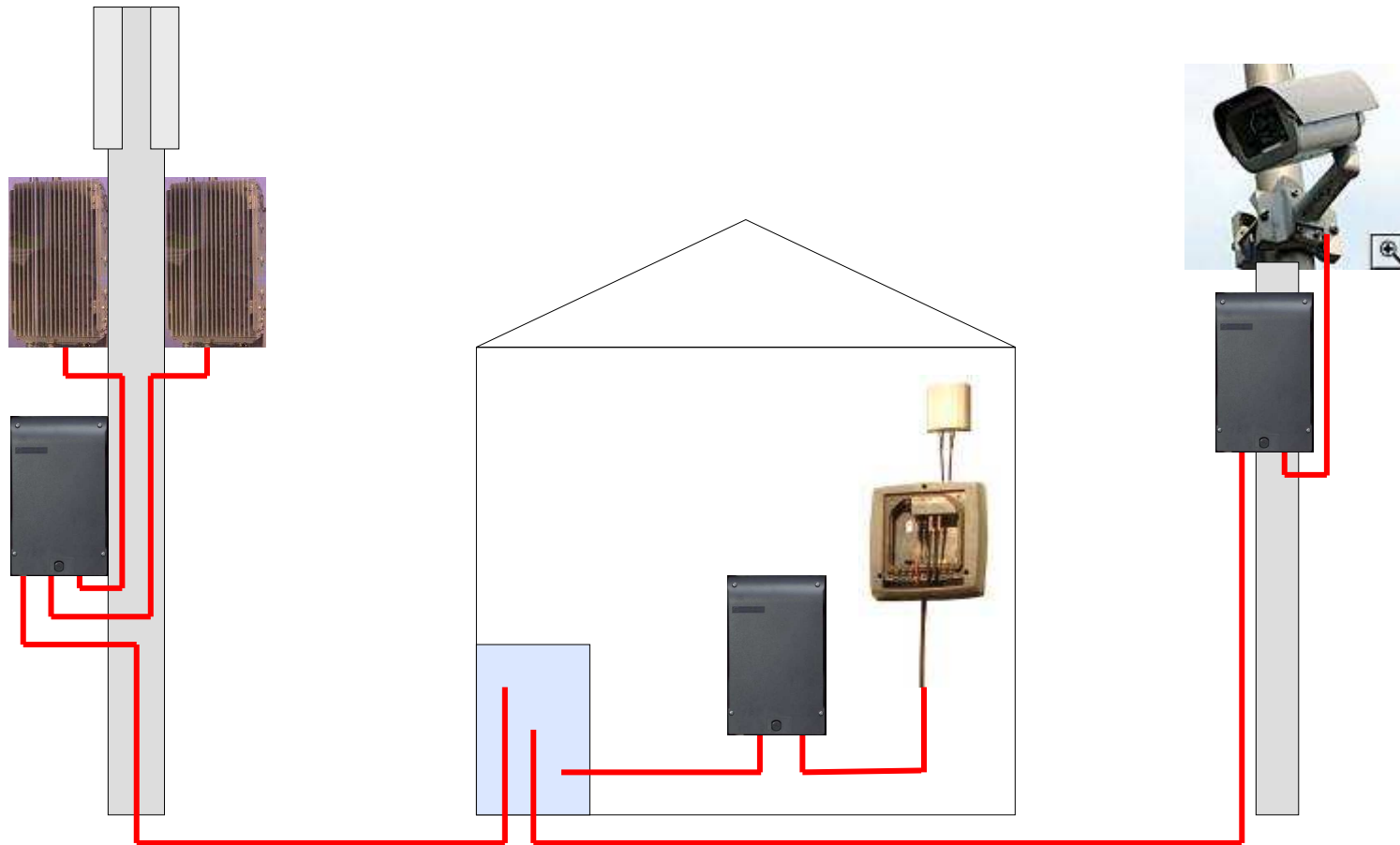
- Subsystem (device, switch, etc.)

Termination/Distribution point for:

- Communication networks

- Measurement and control networks
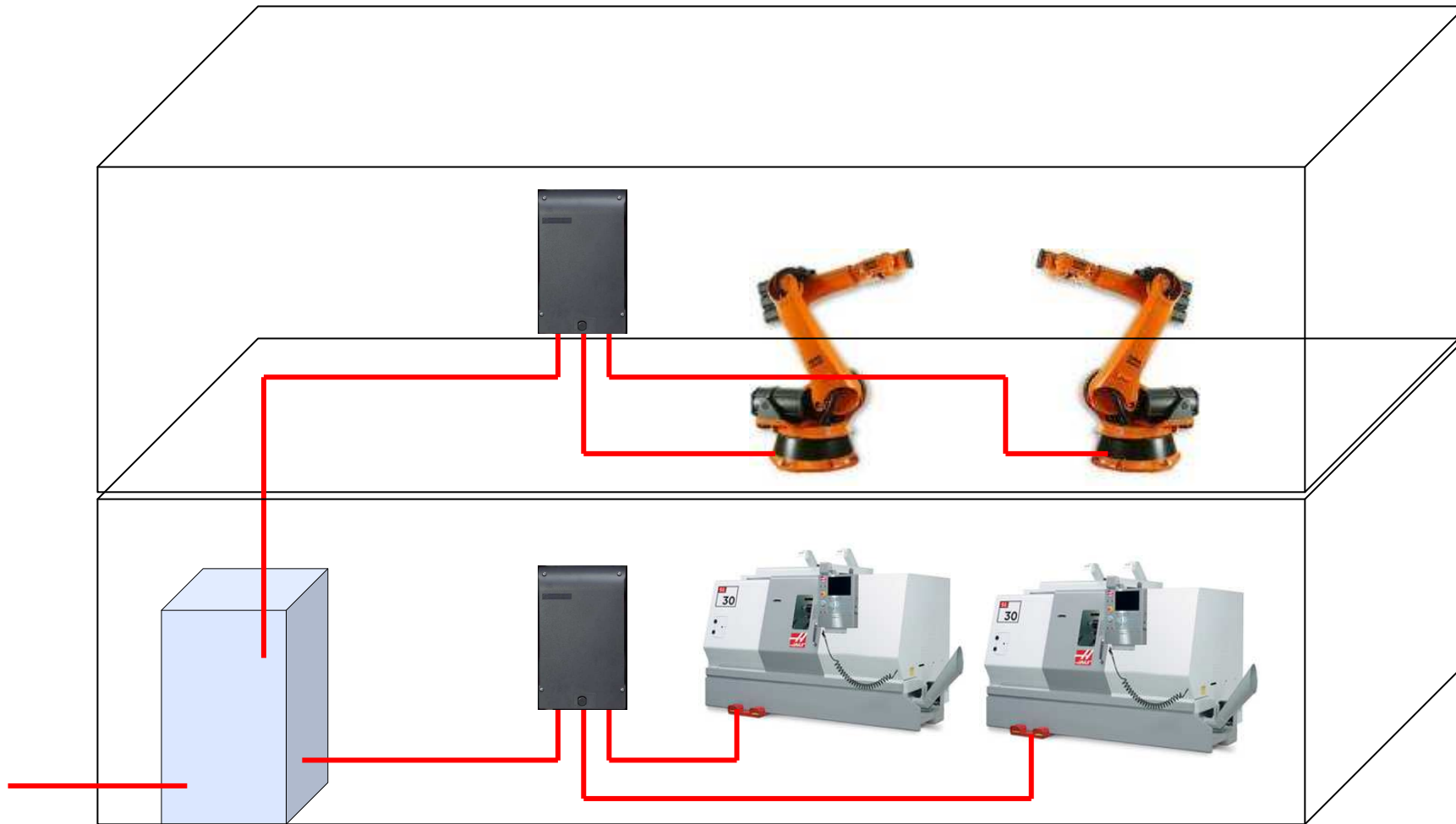
- Mobile Communication (FTTA)

OptiBox 4i - Example Antennas/Camera

OptiBox 4i - Example Displays/Sensors

OptiBox 4i - Example Factory

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