

## Q&A – Challenge Tamper-Resistant distribution network cabinets

1. Where are these cabinets most frequently installed?  
Mainly in urban environment
2. Can we run our components off of existing box electric?  
No, terminal block must be insulated to public access
3. What is the current average cost of the boxes?  
150 euro, basement included
4. Preference on notification method?  
Send an alarm to central system
5. How do you detect issues currently?  
Magnetic or electric contact
6. How do you communicate with the boxes?  
In order: PLC, 169MHz, GSM, 4G/5G.
7. What are the most common maintenance tasks?  
Spontaneous reporting
8. Lifespan of boxes?  
Today contractual warranty is 2 years. The technical specifications include type tests for an expected life of 20 years, but it is not warranty parameter defined with manufactures.
9. Who are your current manufacturing suppliers?  
About 6/7 Italian manufactures
10. What safety/security measures are currently in place?  
Unified key
11. How are the boxes being vandalized? (sledge hammer, pry bar, etc?)  
Yes, sledge hammer, pry bar
12. What is being taken when they're vandalized?  
Nothing, the terminal block is no more in copper
13. Most common cabinet type and material?  
All types of cabinet in fiberglass
14. Average response time to fix a damaged cabinet?  
Time from issue to when we know
15. How do humans force/open the cabinet, in general?  
It's enough to use a medium size screwdriver to open the door panel
16. Is there a particular vulnerable area on the cabinet?  
Door panel
17. What kind of animal put the cabinet at risk and how?

The cabinet has IP34D protection. Typically ant, lizard, mouse entering from basement, derivation well

18. What is the approximate price of the current cabinets?

150 euro

19. Ventilation holes only appear on E-BT-006\_r2 document. Do we need to let such holes on the proposed solution?

No ventilation

20. Is there an electricity source inside the cabinet that we can use to run inner devices?

Yes, it's available

21. When you say "make any tampering attempt clearly noticeable", do you mean that it should let a physical mark on site or would it be ok if we just keep record of the event in a database?

Keep record of the event in a database

22. Do you want a new cabinet design or is a low cost security solution with alarming capabilities sufficient?

We can consider both options

23. Do these cabinets have internet connectivity?

In general no, but they can have connectivity if needed