

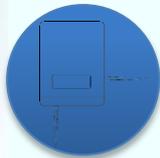
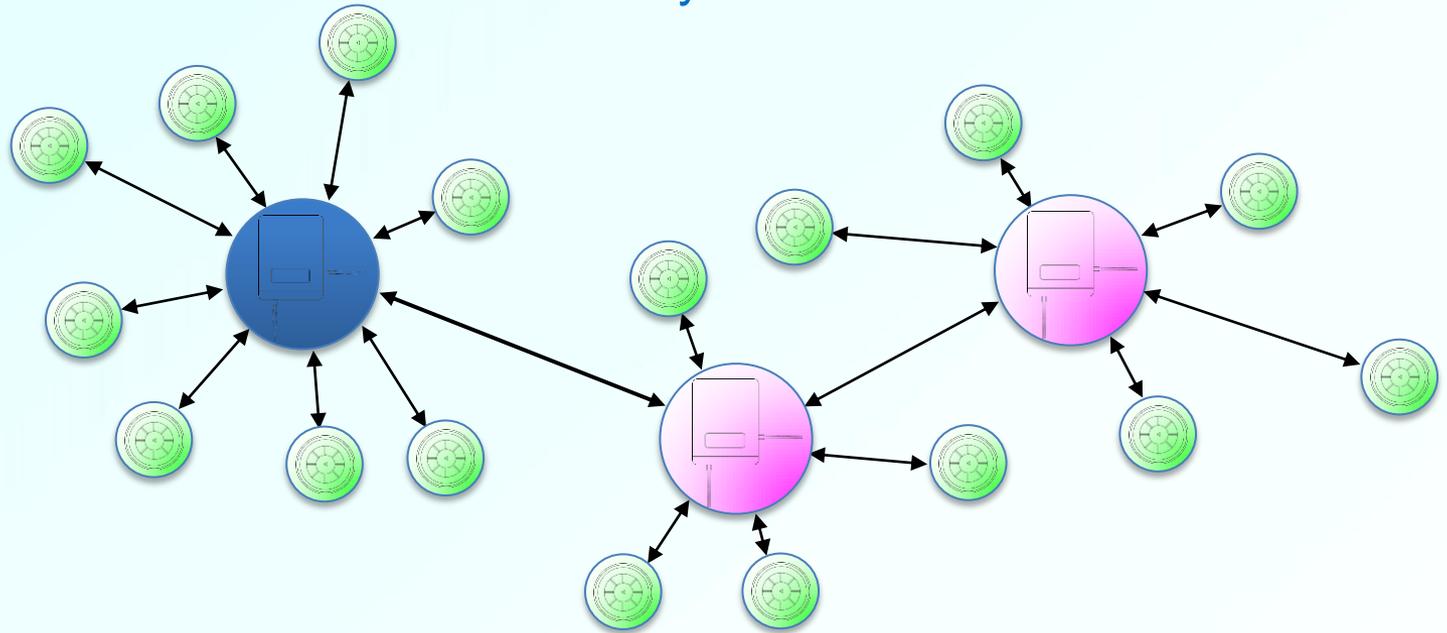


Sagittarius RF Dynamic routing

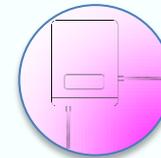
Agenda

- Current system structure
- The dynamic routing structure
- Dynamic routing advantages
- Dynamic routing in wirelex
- A new approach to the layout of the system
- A practical example

Structure and hierarchy of current wireless system



Central node – W2W translator

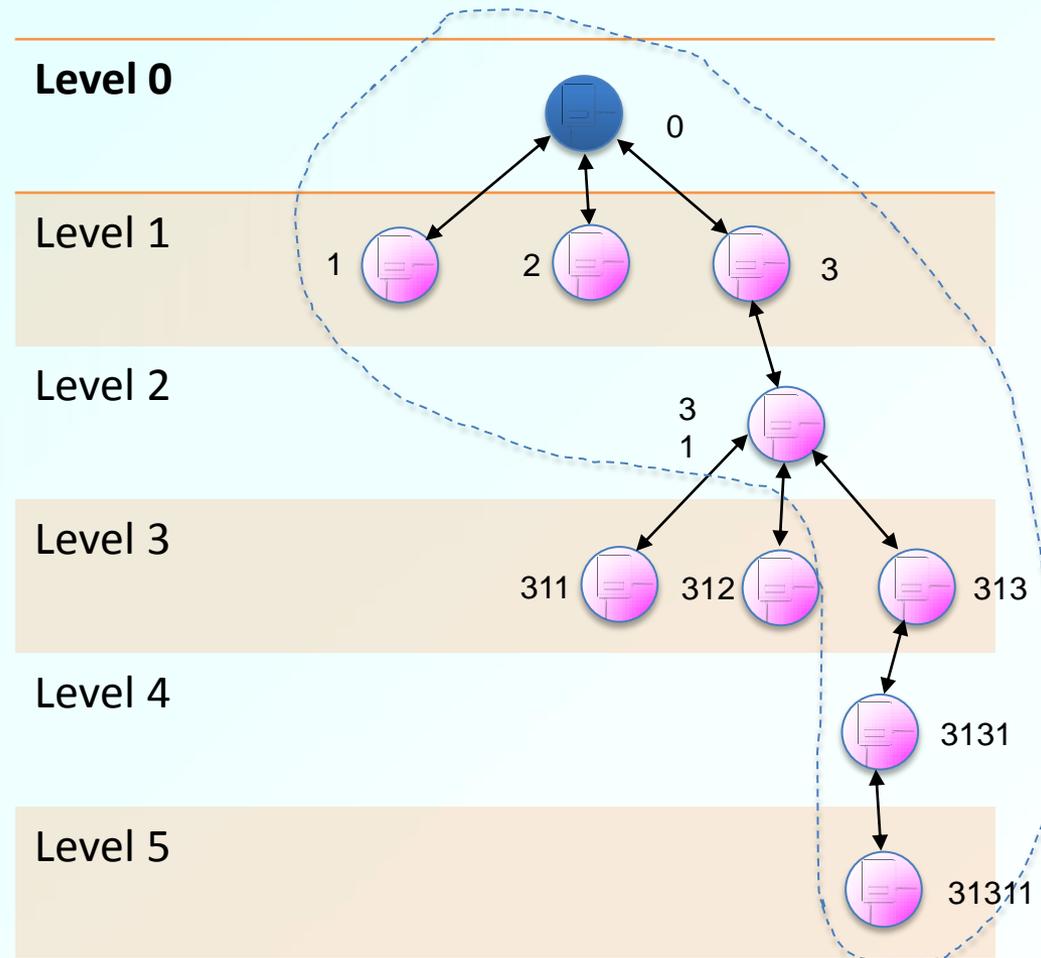


Wireless expander (WEx)



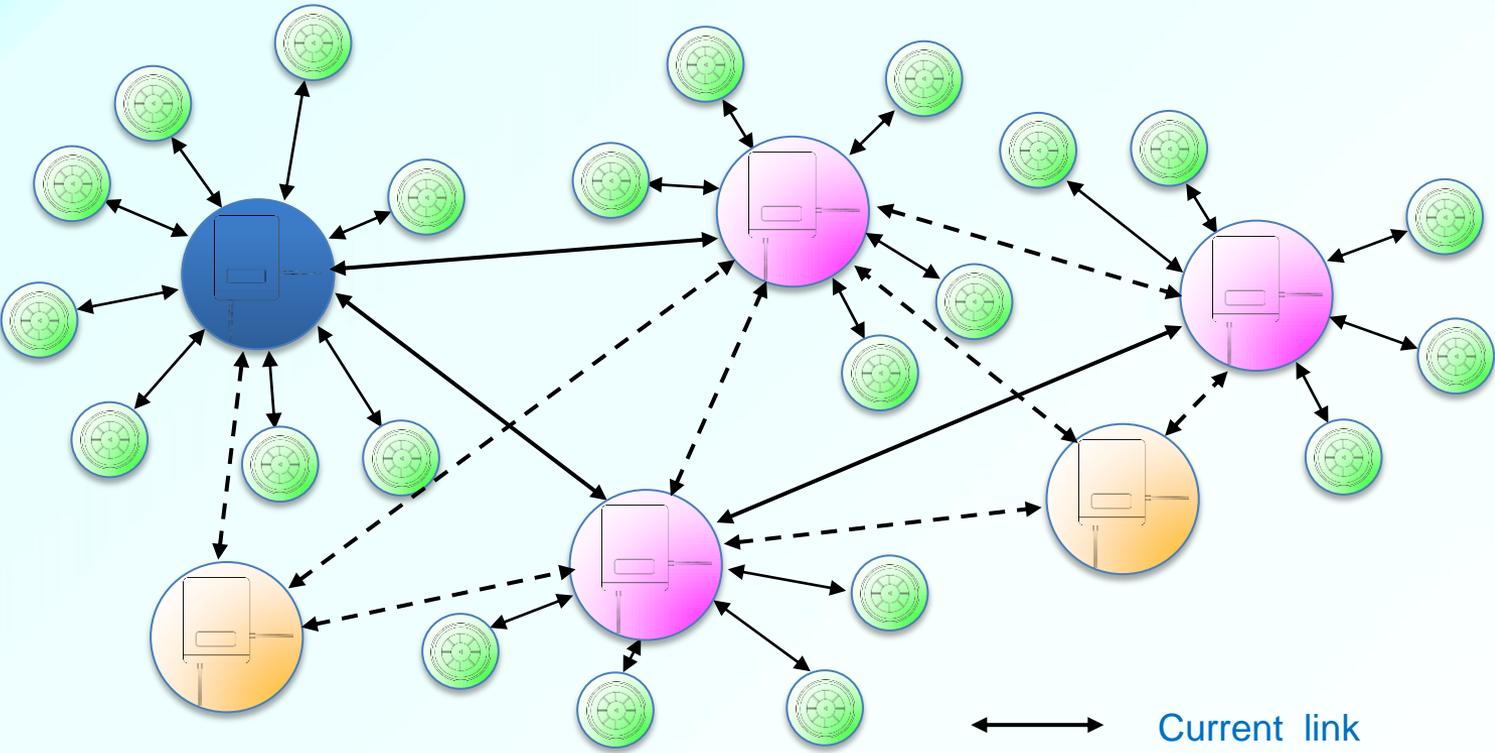
Low level nodes: wireless Detectors, wireless output modules, wireless input modules, wireless call points, wireless sounders, etc...

Structure and hierarchy of a wireless system

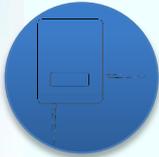


- Max 7 expanders
- Max 3 expanders per level

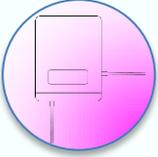
Structure and hierarchy of a wireless system dynamic



 Current link
 Alternative link



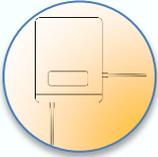
Central node – W2W translator2



Wireless expander (WEx)

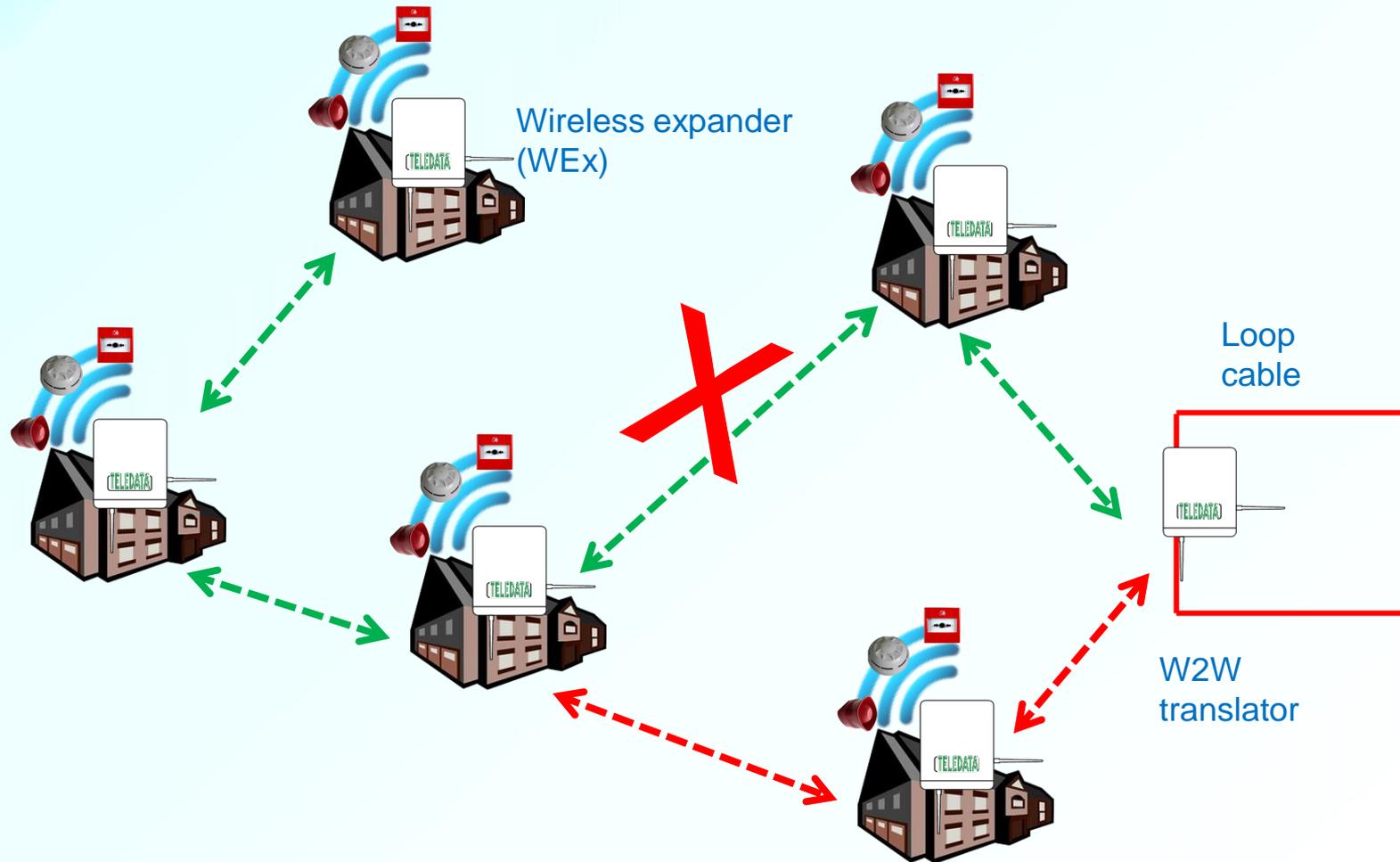


Low level nodes: wireless Detectors, wireless output modules, wireless input modules, wireless call points, wireless sounders, etc...

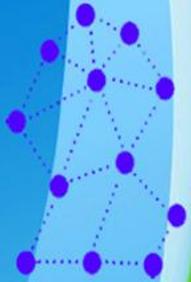


Wireless router

Dynamic routing



- Dynamic routing between expanders modules
- Communication path blocked
- New dynamic routing path established



Dynamic routing main advantages

- Increased reliability
- Easy installation
- Ability to extend system at any time without changing existing configuration
- In poor signals area expanders are simply added

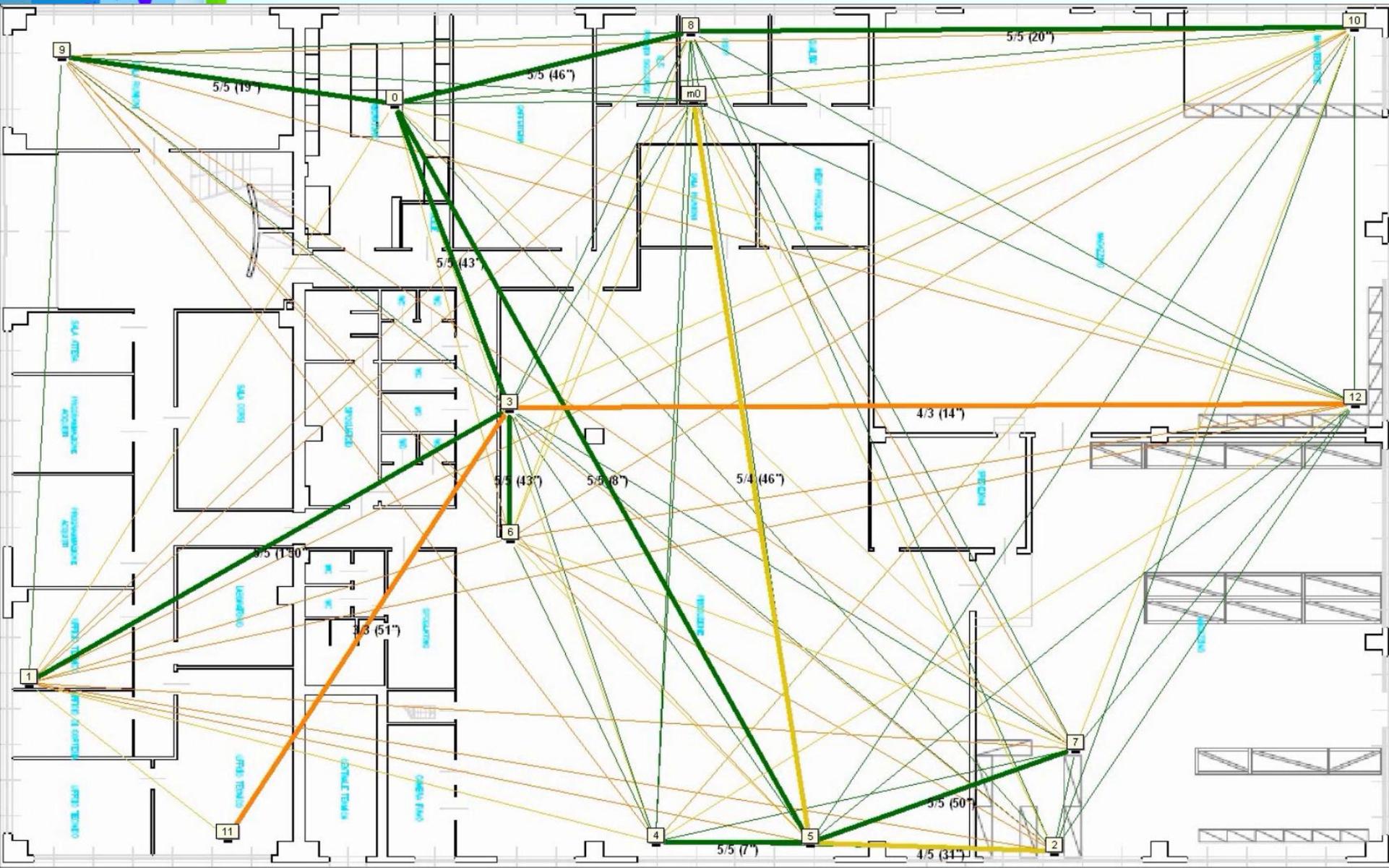


Main features added

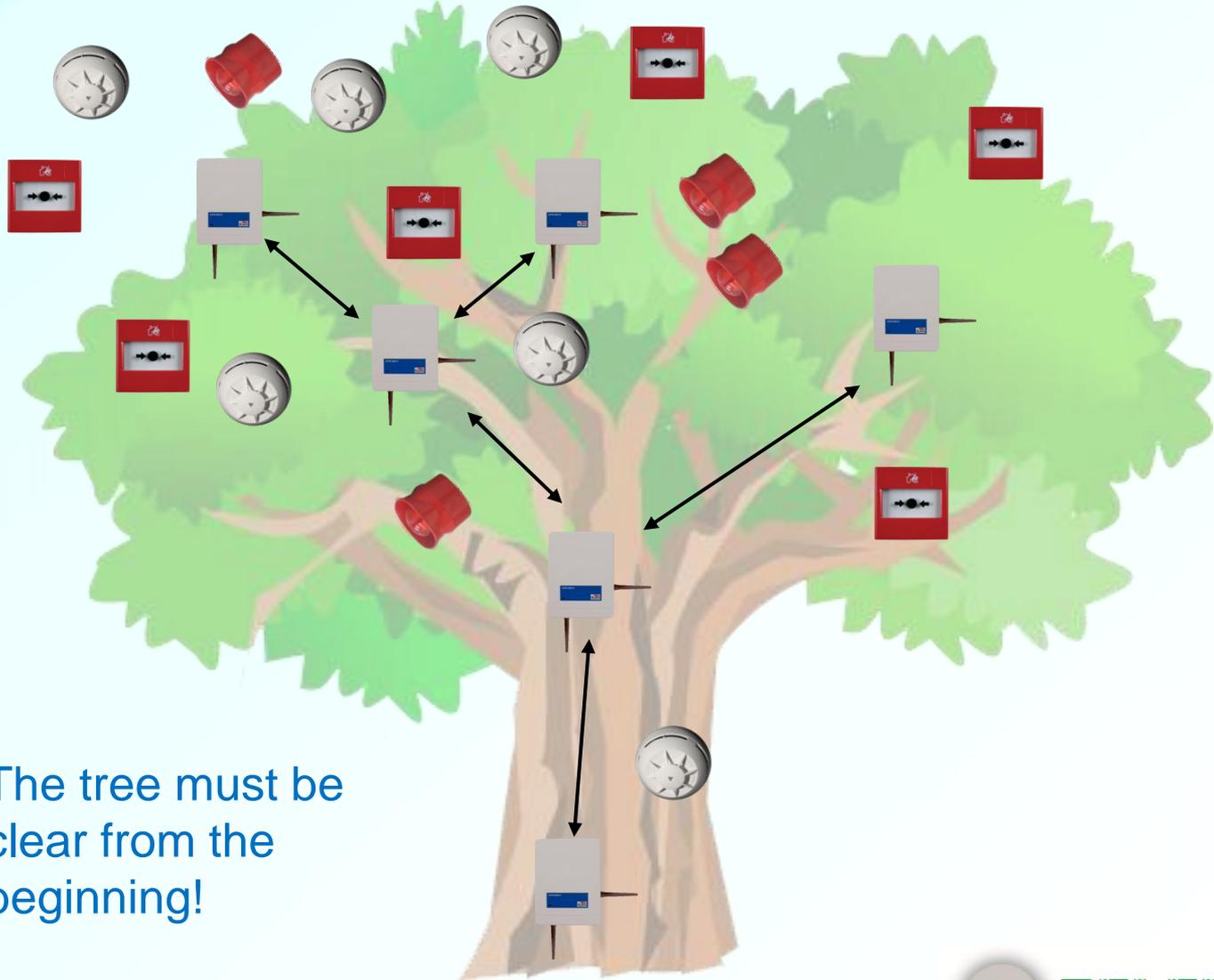
- Up to 128 addresses per translator
- Up to 16 expanders
- Up to 16 routers (expanders with no child devices)



Dynamic routing: the visualization in the software

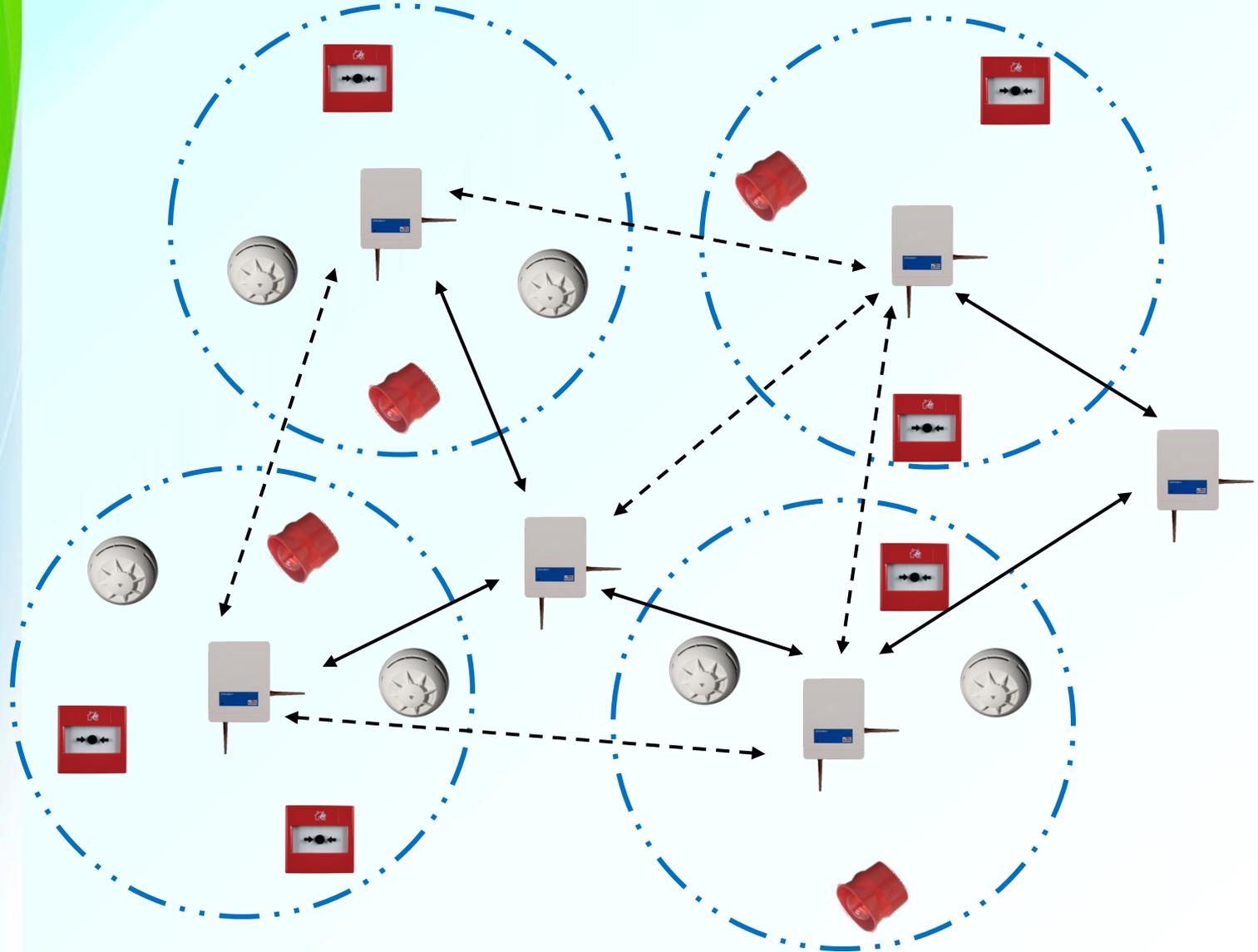


From a tree layout approach...

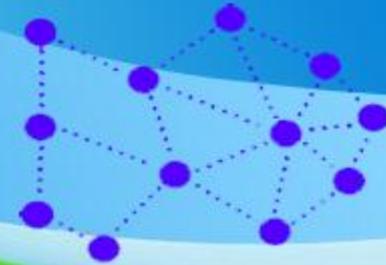


The tree must be clear from the beginning!

...to a cluster layout approach!



The focus moves on creating small cells.



Thank you