

#smartconnection

Service



INFRABIRD™ solution

Access Control and Monitoring of
Your Telecom Infrastructure

www.aginode.net



INFRABIRD™

Network security

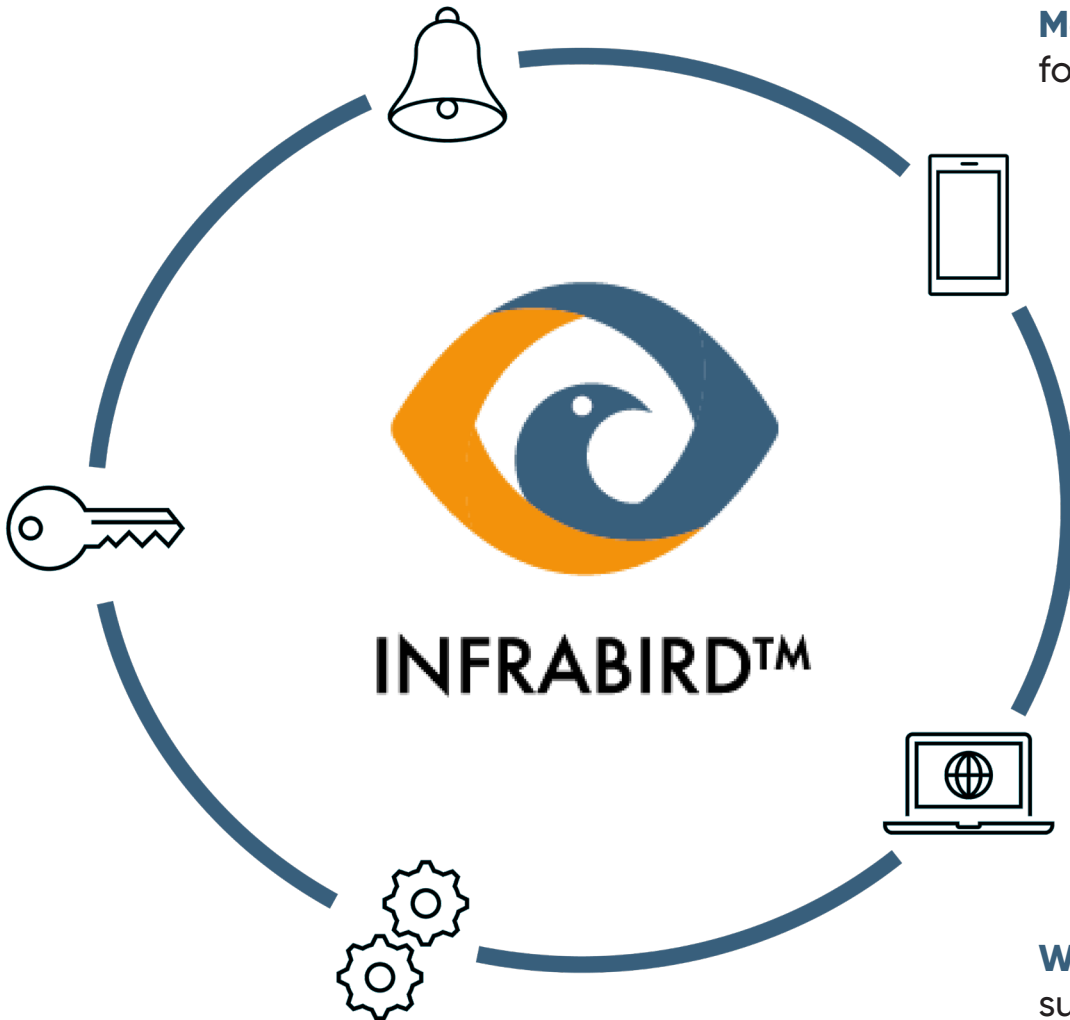
Aginode has developed an innovative connected solution to assist telecom infrastructure operators and internet service providers in tackling the challenge of unauthorized access to their networks.

Named INFRABIRD™, this intelligent key access and monitoring system can be deployed in just a few minutes, transforming sensitive infrastructures into connected objects.

Access control
with NFC lock
and/or NFC tag

Monitoring & alarm reporting
via integrated sensor

Mobile application
for users



Web application
supervision and
administration

Flexible & customised solution
to suit your needs



Access control

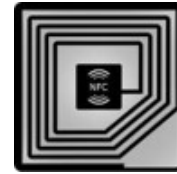
With NFC lock

battery-free, 5-year warranty, opening and identification via Smartphone



With NFC sticker

for identification via smartphone



Many models of locks are available and adaptable to all types of needs, as well as key boxes and badges for those who prefer alternatives to smartphones.



The INFRABIRD™ solution can be used with NFC lock security, NFC tag identification, or both combined to control all nodes of your network.

The operation of the lock or NFC identification does not require access to the mobile network; the information will be sent when the smartphone regains network connectivity.



Supervision and alarm reporting

With integrated sensor

4-year battery (actual duration measured in operation)

Supervision of :

- Opening/closing -> intrusion detection
- Temperature -> overheating, fire detection
- Humidity -> flood detection
- Battery level -> preventive maintenance
- GPS location -> theft detection

And many more, the IoT world is limitless.



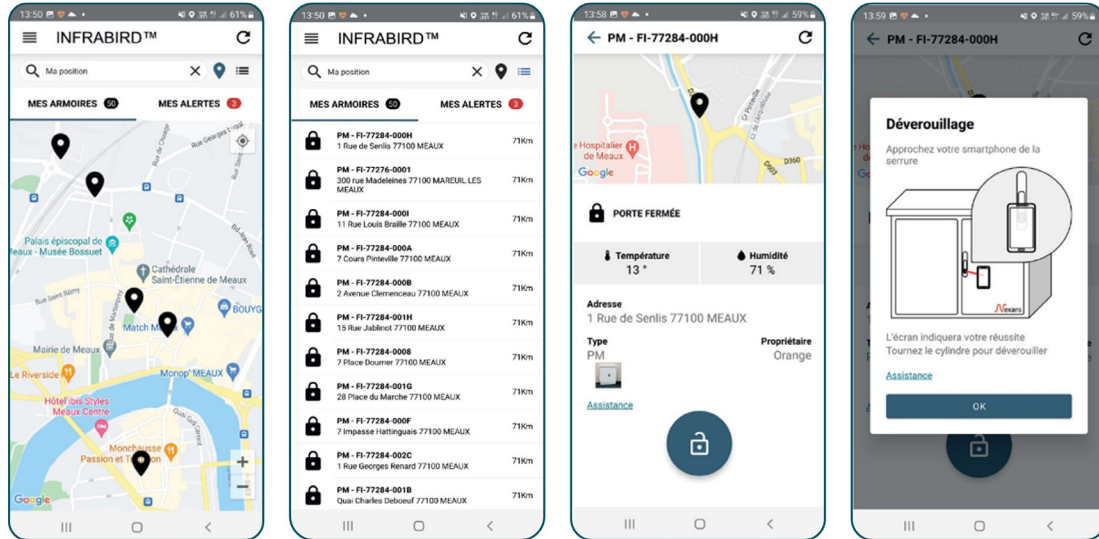
For network communication, Aginode prioritizes LTE-M for reliability reasons, but it is also possible to work with other network types such as LoRa or Sigfox.





Mobile application

Compatible with all smartphones



Access to :

- Geolocation of the site
- Site address
- Photo (important if two neighbours)
- Name/site reference
- List of sites by proximity
- Site status
- Miscellaneous information



Development of INFRABIRD™ applications on Microsoft Azure ensures the highest level of data security in compliance with GDPR*, with facilitated interaction through numerous APIs with your information system in a multilingual international environment.

Benefits

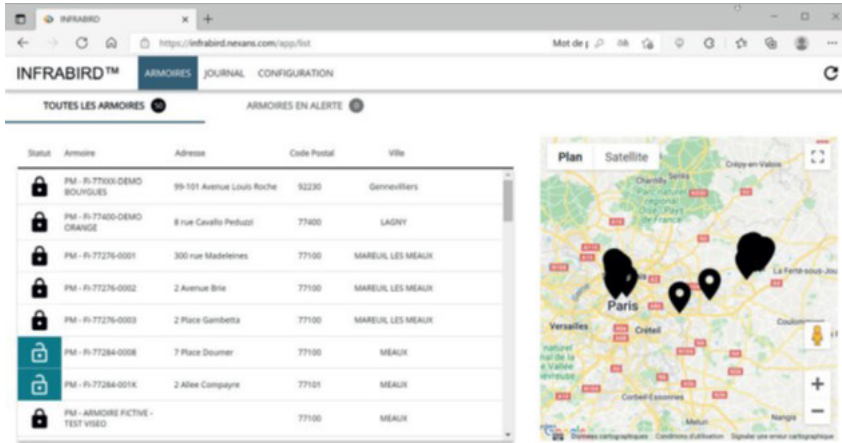
- Activation of the dematerialised key by a simple click (SMS)
- Automatic detection and unlocking of the cabinet using smartphone
- Geolocation of the position of nearby cabinets
- Consultation of current alerts
- Possibility to leave a comment on a cabinet to identify non-conformities

*No access to user coordinates, only a user reference appears, and only the administrator who created the user has access to their data.



Web application

Monitoring and administration



Same access as the mobile version, plus:

- Rights management
- Configurable logs
- Downloads
- Standard IT interface (API and SNMP)



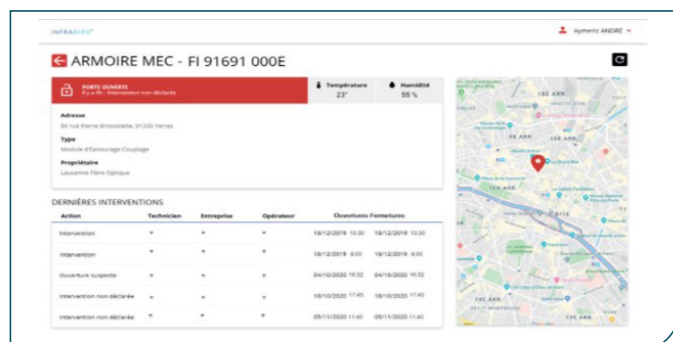
The INFRABIRD™ database is fully accessible to your system administrators and by default stored on a secure Aginode server. It can also be hosted on your servers, which may be fully or partially accessible by lower-level administrators created by you.



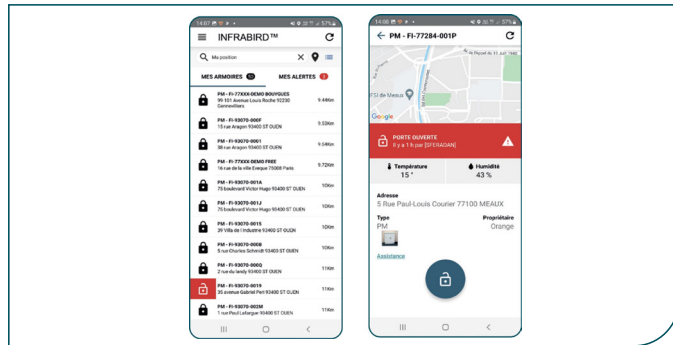
Alarms

Intrusion, opening and unauthorised access

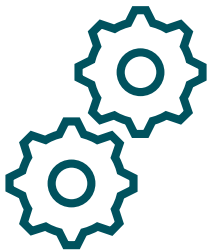
Alarm trigger sent to system administration



Door not/incorrectly closed
 (configurable duration)
 Trigger alarm to
 user + administration



At minimum, the alarm will be visual (turning red in applications) and can be supplemented by sending SMS, email, or push notifications to various designated responders. It can also be integrated with systems like video surveillance or audible alarms.



Customisation and support



HARDWARE
NFC tag
Handle, lock option
Sensor set up, customisation
Alarm systems

SOFTWARE
Mobile, web application
Customisation
API integration
Update and upgrade

SERVICE
Experimentation
Training
Project support
Hotline and maintenance



Modifications, especially on the software side, may lead to delays and additional costs.

Benefits provided by the solution

45%
reduction in the number of observed customer service interventions*

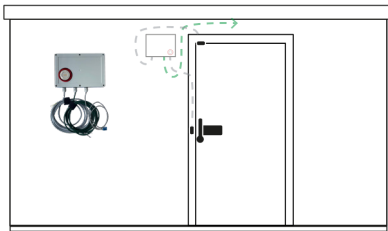
86%
user satisfaction



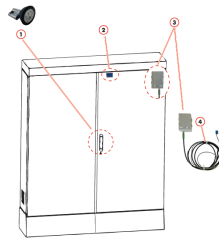
*Comparison based on the average number of subscriber complaints before and during a trial conducted in the Meaux region of France.



Aginode offers demonstrations, trials, and subscription or investment-based offers for networks of all sizes. Feel free to contact us to learn more.



Shelters & Central Office



FTTH street cabinet



Manhole



BRIGHTBOX™



BLACKBOX



@XS-BOX L & XL

Various splicing points

Compatible network devices

Products range	Description	Access control	Supervision
BRIGHTBOX™	Mutualisation point, splicing	x	x
BLACKBOX	Underground connecting point	x	
OUTDROP	Aerial connecting point	optional	x
ODB4 & WALLDROP	Facade connecting point	optional	x
VERTHOR	Building connecting point		x
@XS-BOX L/XL & DOMINO	Basement	x	x
@XS Outlets	Optical terminaison point		optional
XPLORER™	Splicing, patching, splitting modules	x	
OPTEASTAR	Street cabinet and PM600	x	x
MANHOLE TELECOM WITH METALLIC BUFFER	Telecom manhole		x
Central Office / PM900	Cabinet	x	x

#smartconnection

Connect via **LinkedIn**



Learn more on **YouTube**



Visit **www.aginode.net**



Contact us via
info@aginode.net

www.aginode.net

