



Utimaco u.warn CBC Cell Broadcast Center

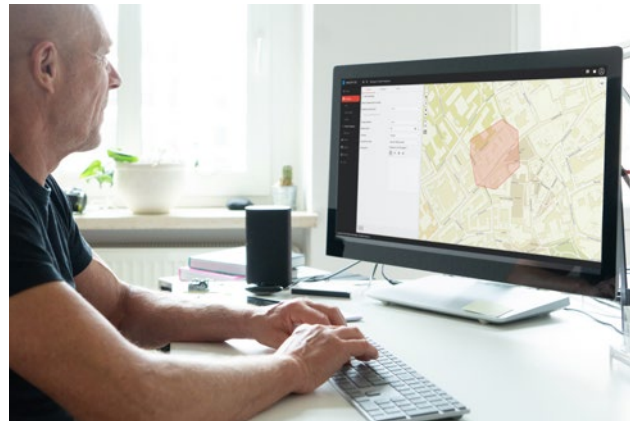
Real-time and location based alerts during natural disasters or national emergencies.



Utimaco
u.warn CBC

Cell Broadcast Center

u.warn CBC Cell Broadcast Center delivers real-time and location based alerts without the need for cellular network service or internet network during natural disasters or national emergencies.



Real-time and location-based alerts

With CBC's **"Write once, publish to all" technology**, real-time location based alerts are broadcast and delivered within seconds via the mobile network to all mobile devices, whilst providing the highest caliber of cell site resolution.



Operates when networks are jammed

In emergency situations, its human nature to try contact everyone by calling or texting. These actions may heavily congest networks during these crucial times and cause systems to crash. u.warn CBC connects directly to the RAN, so its not at all affected. Furthermore, the CBC does not require a data connection and works on both smartphones and feature phones, ensuring that **everyone is reached**.



Compatible with all types of networks

u.warn CBC is congruent with all types of networks – **2G, 3G, 4G and 5G readiness**. The system can be used on top of other existing CBC to support newer types of networks.



Compatible with all RAN vendors

u.warn CBC connects to all RAN (Radio Access Networks) vendors including **Ericsson, Nokia, Huawei, ZTE, Siemens, Motorola and other established vendors**. It is our obligation to keep up with any changes in the protocols made by the RAN vendors assuring continuous operation of the system, verifying every message reached its destination.



Complies with all emergency standards

Our CBC is fully compliant with **international emergency related standards and protocols including CMAS, EU-Alert, ETWS and CAP**.



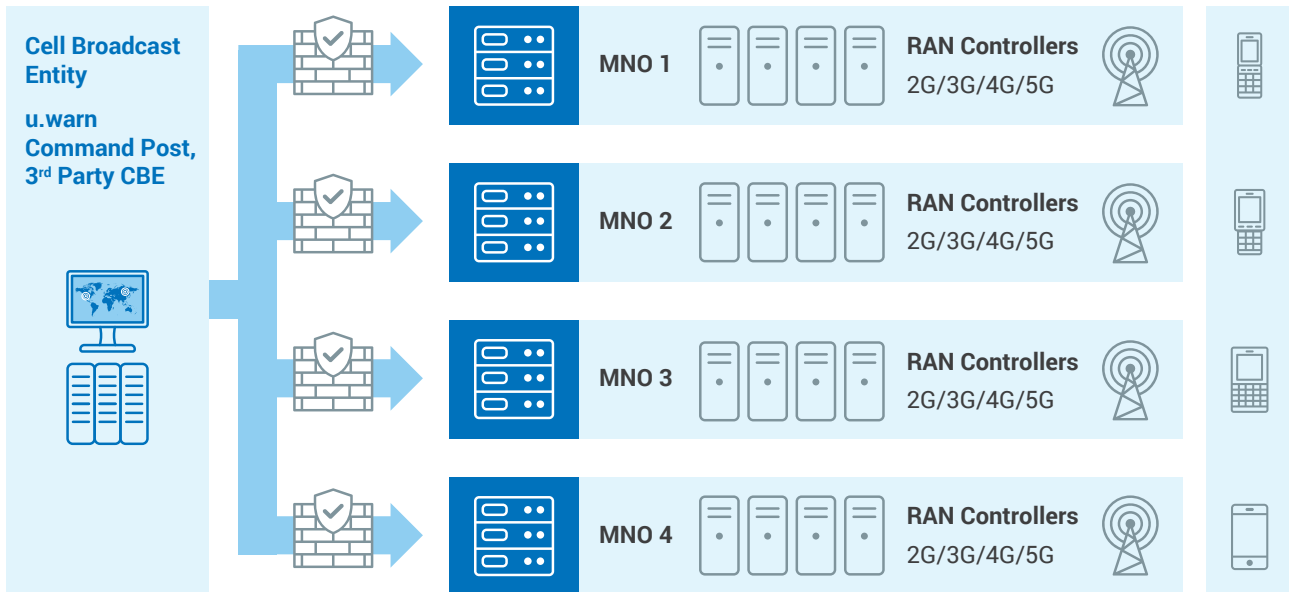
All levels of redundancy

u.warn CBC also supports various redundancy levels including **LHA (Local High Availability) and geo redundancy for zero downtime**. It can be deployed over bare metal or on a cloud/VM. u.warn CBC can be implemented either in centralized or distributed topologies.

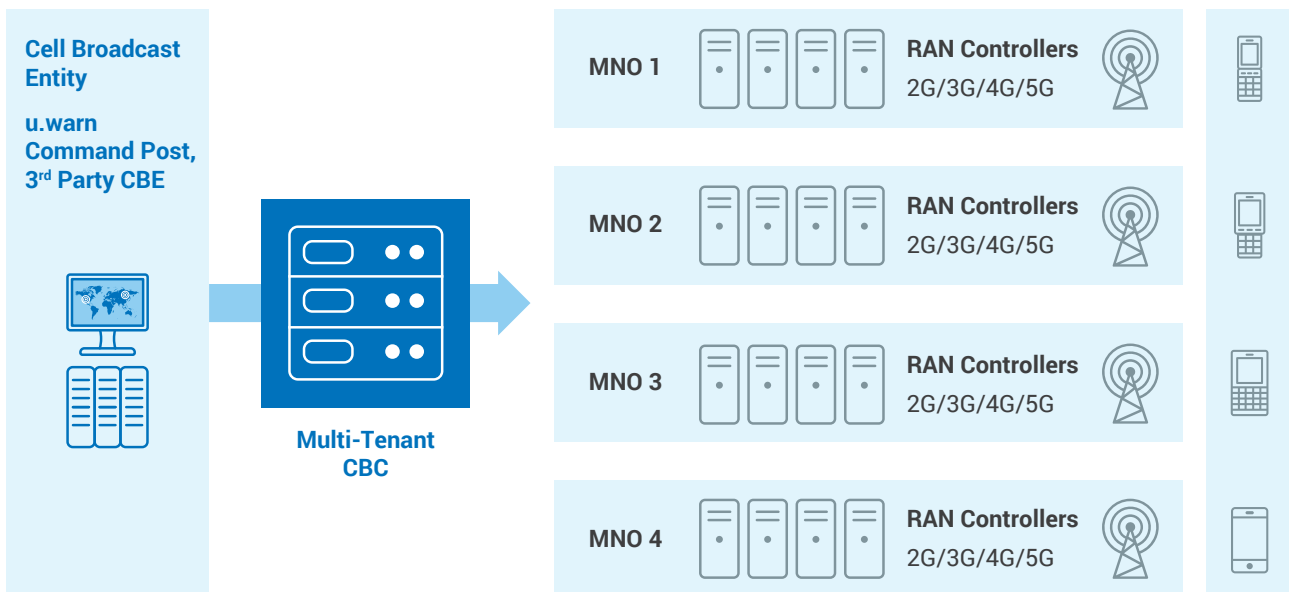
Distributed and Centralized Topology

For governments that are looking for an integrated early warning system, we offer a national central system with a single CBC that connects to all mobile operators in the country. The system aggregates alerts from a variety of authorities and sensors that are spread across the country and manages the dissemination of these alerts, over a single CBC that allows also SMS delivery, to the required geographical areas. To protect the various mobile operators information, the central CBC is equipped with a virtual CBC feature (vCBC) that allows separate and private environments for each of the mobile operators.

Distributed Topology



Centralized Topology



About Utimaco

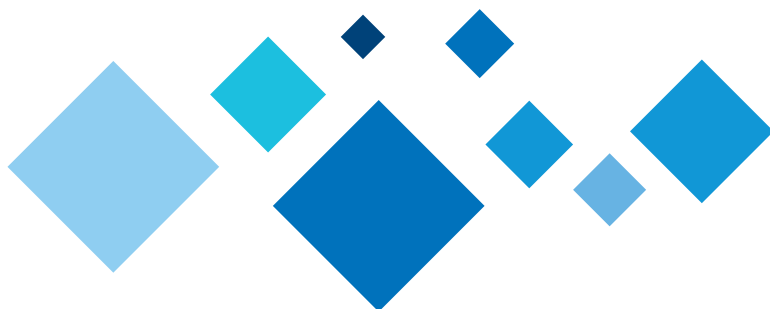
Utimaco is a global platform provider of trusted Cybersecurity and Data Protection solutions and services with headquarters in Aachen (Germany) and Campbell, CA (USA).

Utimaco develops on-premises and cloud-based hardware security modules, solutions for key management and data protection as well as Public Warning Systems. Utimaco is one of the world's leading manufacturers in its key market segments.

400+ employees around the globe create innovative solutions and services to protect data, identities, citizens and digital assets with responsibility for global customers and citizens. Customers and partners in many different industries value the reliability and long-term investment security of Utimaco's high-security products and solutions.



Find out more on [utimaco.com](https://www.utimaco.com)



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