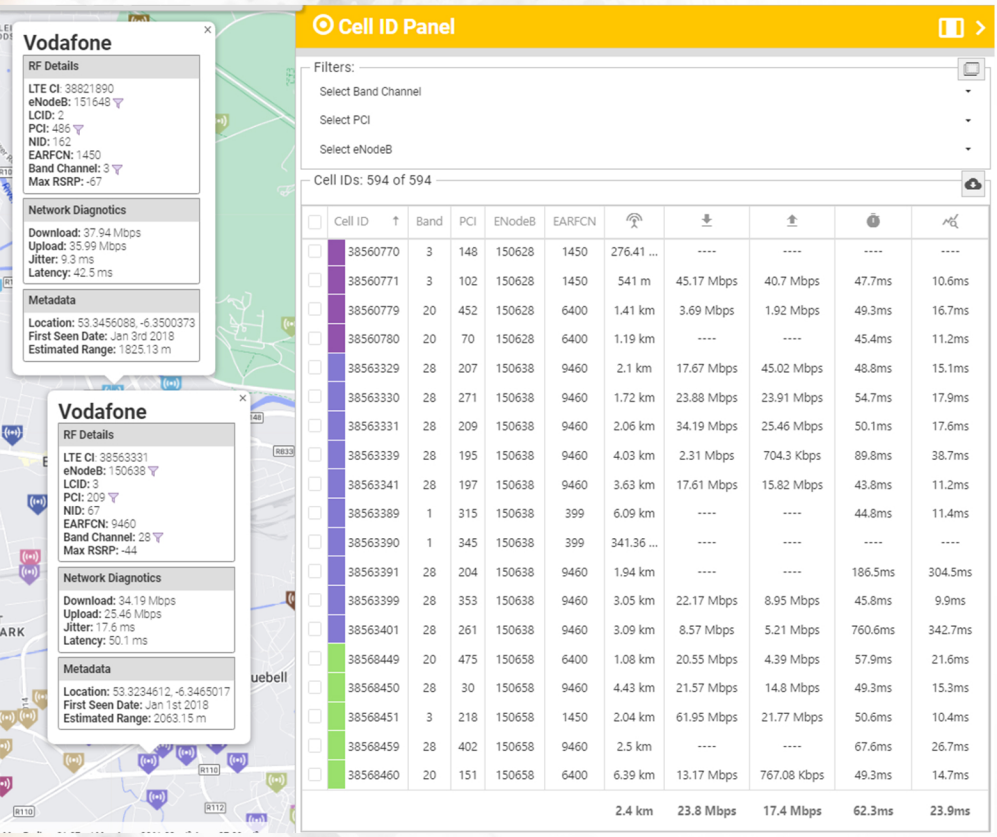
m2catalyst

Introduces

The Global PoP Database with AI Predicted Cell Site Locations

M2Catalyst has harnessed the power of AI to process trillions of anonymized network performance data points, enabling us to build one of, if not the most complete global PoP Cell Site databases in the world.



PoP Database Features

- 4G, 5G NSA & 5G SA
- Date First Detected
- Date Last Detected
- # of Cell IDs per Cell Site
- Estimated Range of Cell Site.
- Average Throughput by Cell ID (Download & Upload)
- Average Latency and Jitter by Cell ID
- PCI
- EnodeB
- Estimate Range (Small cell versus rooftop or macro)
- EARFCN
- Band Channel/Frequency
- Export Cell ID Coverage Footprints
- Max RSRP
- LTE CI
- LCID
- NID

While there are millions and millions of cell sites around the world, there is no centralized, comprehensive database that identifies them all. Some countries, for example, France and Brazil, have excellent national databases, but they are truly the exception. M2Catalyst has made great strides to fill this information void. Our mobile apps have collected signals from more than 40 million Antenna Cell IDs worldwide, and our sophisticated AI algorithms have predicted the location of the macro tower, rooftop, monopole, small call and DAS cell sites upon which these antennas reside, in over 200 countries.

There are numerous use cases for this information. As government agencies license spectrum, they need to know where and when each MNO rolls out the newly licensed band channels.

From a competitive perspective, major MNOs may also want to know where and when other MNOs are deploying new band channels.

Our Crowd SiteIntel Cell ID Maps and our Global PoP database can provide this critical information on both a dashboard and exported for other GIS platforms such as ArcGIS.

Connect With M2Catalyst Today

To receive our FREE report for your MNO, or to learn about Crowd SiteIntel, our powerful data analytics and visualization platform, please submit the enterprise contact form that can be found at www.m2catalyst.com/contact.