yazmi

ASSET (Alert Sending to Satellite-Enabled Tablet), Yazmi Solution for All Hazards Early Warning

Yazmi Satellite Reach & Device

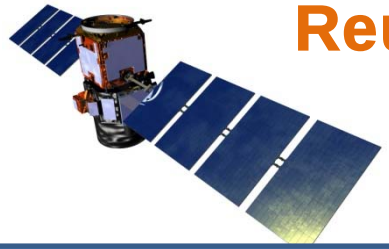
Yazmi reaches 5 billion people across Asia, Africa, Europe & the Middle East

The satellite receiver module is integrated with Yazmi tablet and housed within

Connects to a Desktop, Laptop, Netbook or Tablet with a USB input port

Digital Broadcast Satellite Delivering Information Directly to Low Cost, Portable, Addressable Devices

Disaster Alerting, Preparedness, and Response, Reusable In Other Sectors

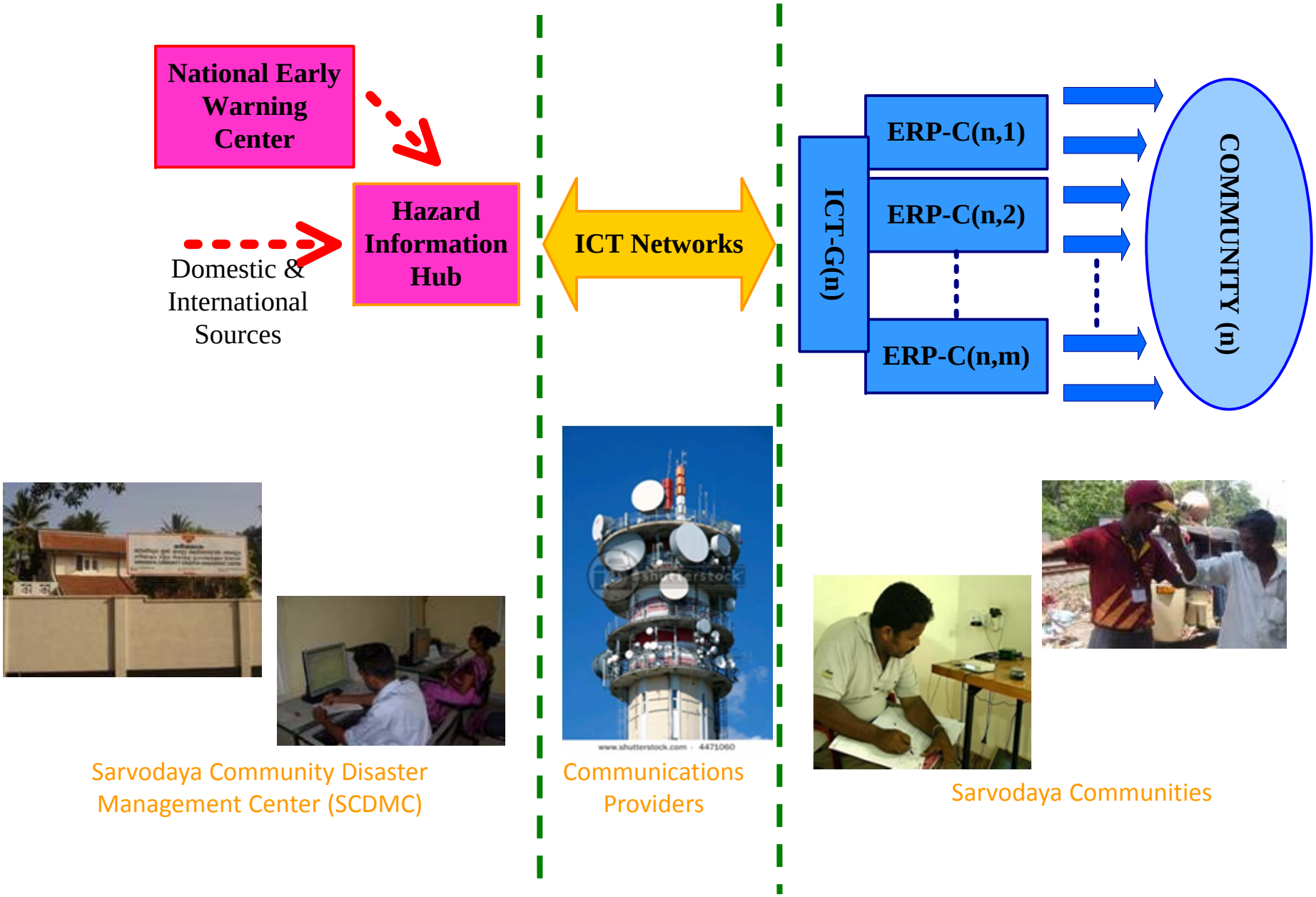


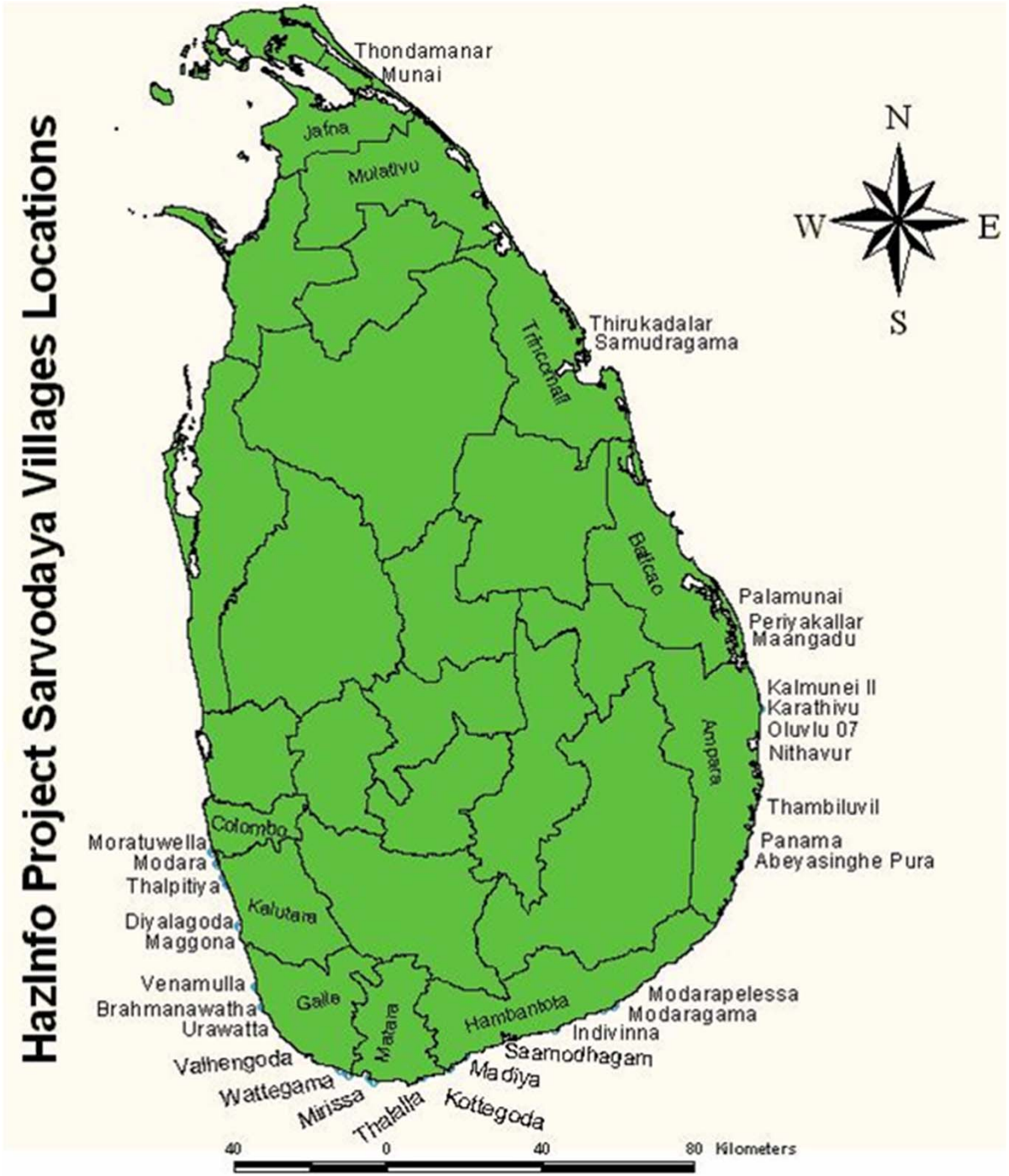
Healthcare

All Hazards Warning

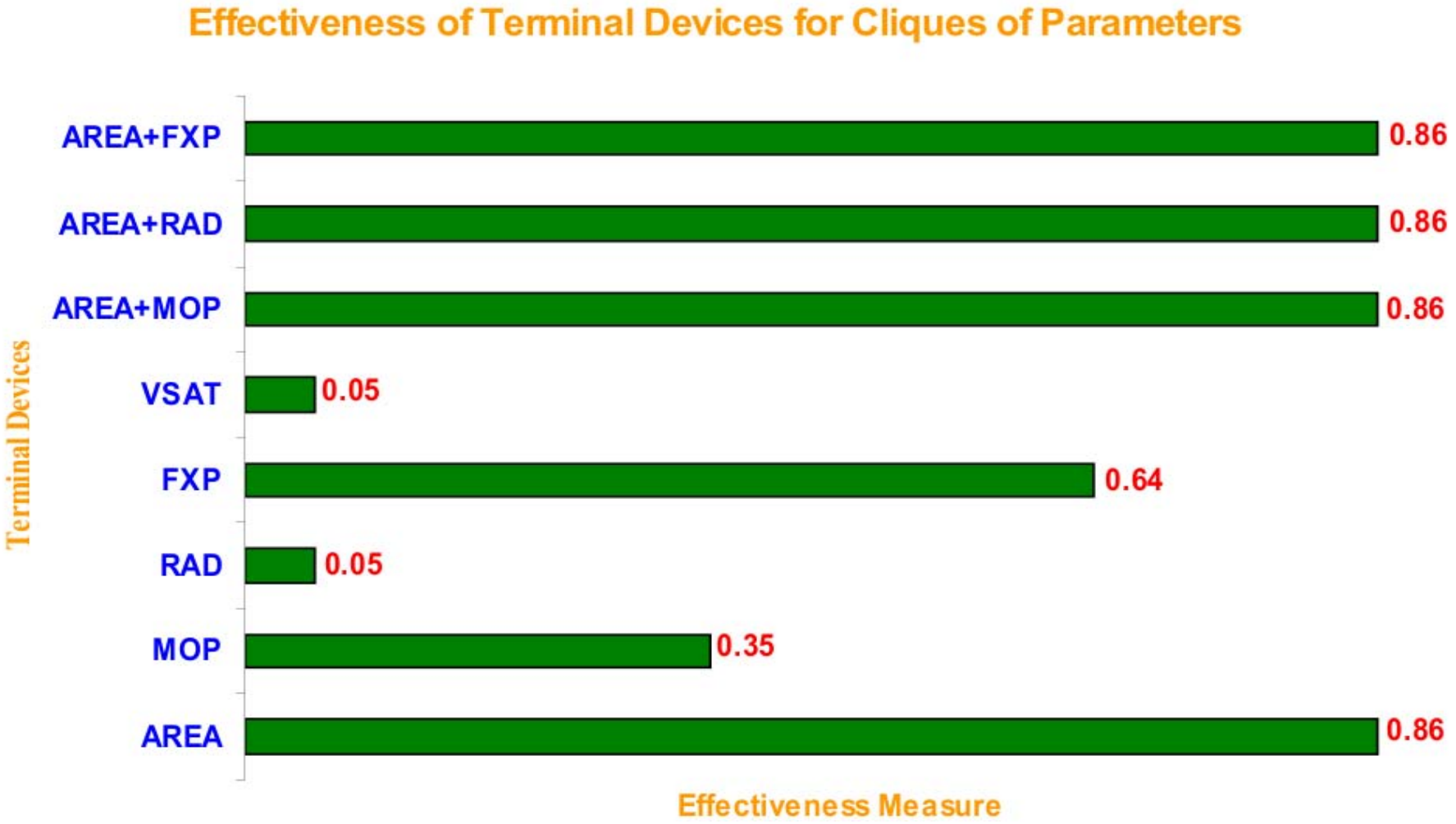
Education

Last Mile Hazard Warning System (HazInfo Project)




HazInfo Project Sarvodaya Villages Locations
Thondamanar
Munai
Jafna
Mulativu
Trincomali
Batticao
Ampara
N
W
E
S
Thirukadalar
Samudragama
Palamunai
Periyakallar
Maangadu
Kalmunei II
Karathivu
Oluvlu 07
Nithavur
Thambiluvil
Panama
Abeyasinghe Pura
Colombo
Moratuwella
Modara
Thalpitiya
Kalutara
Diyalagoda
Maggona
Venamulla
Brahmanawatha
Urawatta
Galle
Matara
Hambantota
Modarapelessa
Modaragama
Indivinna
Saamodhagam
Madiya
Valhengoda
Wattegama
Mirissa
Thalalla
Kottegoda
40
0
40
80 Kilometers

Terminal Devices Performance and Conclusions

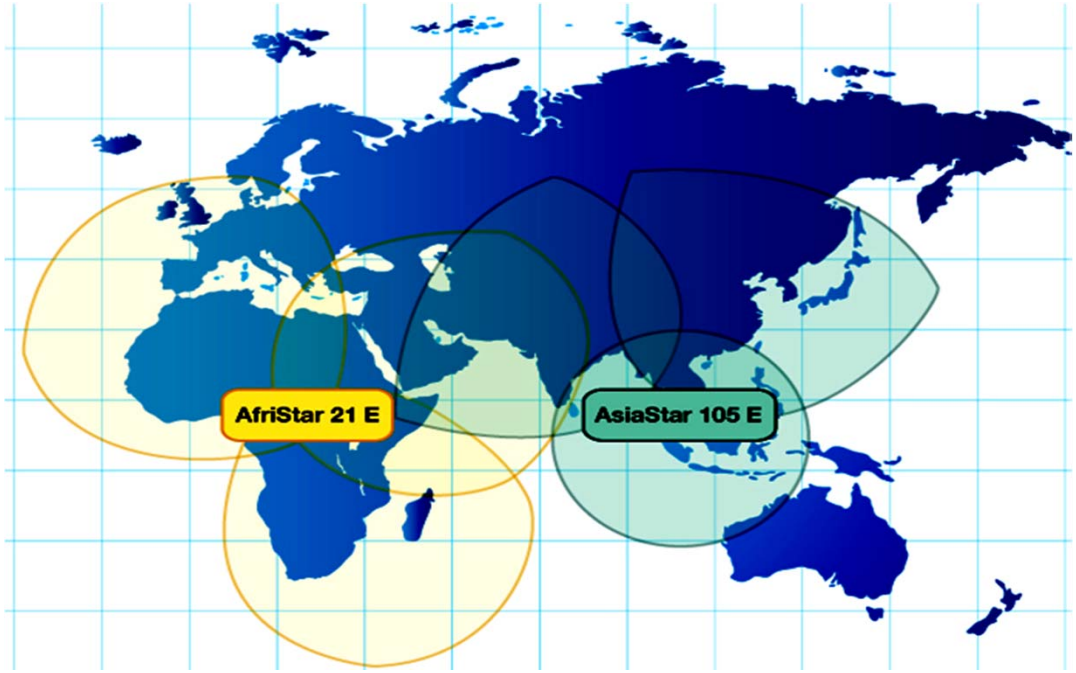


DAMB-R2 was Common Alerting Protocol-enabled

Interface	HIH Monitor issued CAP Message	Receiver Device and {Medium}	ICT Guardian received Message elements
ANNY Internet Browser application (AREA)	All sub elements in <Alert>, <Info>, <Resource>, <Area> segments, and message in <Language>en only.	Sat-Radio AREA – B {Text}	<msgType>Alert <Scope>restricted <Sender>hih <Status>exercise <Category>met <Urgency>expected <Severity> sever <Certainty>observed <Event>A SEVERE CATEGORY 4 CYCLONE … {total restricted 250 characters}
	<Description> with <Language>all… {no size restriction}	Sat-Radio AREA – B {Audio}	<Description> A SEVERE CATEGORY 4 CYCLONE …{no size restriction}

Who We Are

- Founded in 2010 by the pioneers of Satellite Radio
- Acquired $500MM + satellite infrastructure from WorldSpace Corp.
- Own two orbiting L-Band satellites: AfriStar & AsiaStar
- Secure satellite uplinks in UK, UAE, Australia, China, South Africa
- Rights to broadcast over ITU satellite radio frequencies in 127 countries



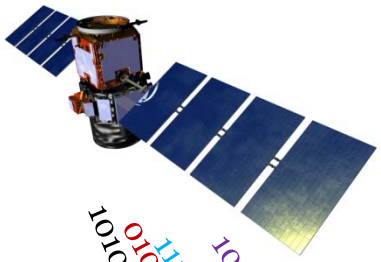
Yazmi reaches
5 billion people across
Asia, Africa, Europe & the
Middle East

L Band Satellites

- AfriStar launched 1998, AsiaStar launched 2000
- Alcatel/EADS E2000+ geostationary L-Band broadcast satellites (1467 MHz to 1497 MHz)
- Three beams per satellite, each beam covering 14 million km^2
- Projected useful life beyond 2020 in inclined orbit

Architecture / Features

•Alcatel/EADS E2000+ geostationary L-Band broadcast satellites (1467 MHz to 1497 MHz)
•Rights to broadcast over ITU satellite radio frequencies in 127 countries



Uplink

Yazmi BOC

•**Broadcast:**
  •Multiplexed Broadcast Channels (Up to 256 Kbps)
  •Local Broadcast Channels
  •TDM & FDM Uplinlk (X-Band)
•**ASSET Features:**
  •Onset of alert is indicated by a computer-generated siren
  •Displays all the alert parameters (mandatory & optional)

Live Offline

CAP-formatted text and Alert-related audio in local languages

•**Satellite Based**: Satellites fill communication gaps where terrestrial infrastructure is damaged, overloaded, or non-existent
•**Scalability**: Network can grow without fear of traffic congestion and can accommodate any numbers
•**Portability**: Antenna and device are compact, light and can easily be carried
•**Speed to implement**: In-orbit Satellites and proven solutions. Ready for roll-out
•**Flexibility**: Delivery of Data (Maps, Images, Text, Audio, Video) to predefined groups and can be encoded for delivery
•**Selective Dissemination**: One-To-Many paradign. Addressable by groups/tiers. Recipients do not have access to undesirable/unwanted content
•**Weather independence**: L-Band Solution is weather immune, with less interference from other sources

Yazmi Strengths

- **Device**
  - Affordable for every individual
  - Reliable power with extended battery life
  - Can be carried outdoor as well as home
  - Customized for use in other sectors like Education and Healthcare
  - Easily set up and maintained by the individual
- **Connectivity**
  - No Internet required
  - Anytime and Anywhere
  - Optimized for content distribution
  - Supports Asynchronous and Synchronous modes of Delivery

Summary

- Yazmi has the only multicasting satellite constellation serving territories outside North America
- Yazmi offers a high quality end-to-end solution for All Hazard Warning and Mitigation at low cost
- Extensive management experience and high barriers to entry

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