

ITSA V2X Webinar

Factors in Funding, Costing, and
Procuring V2X Deployments



My Background

- **Research Funding:** Project Coordinator for EU Framework Programme project
- **Top 5 Global Auto OEM:** Global Strategy & Marketing
- **IT :** Full-stack Developer, Application Engineer and Team Manager
- **Current:** Director of Intelligent Cities, City of Chattanooga



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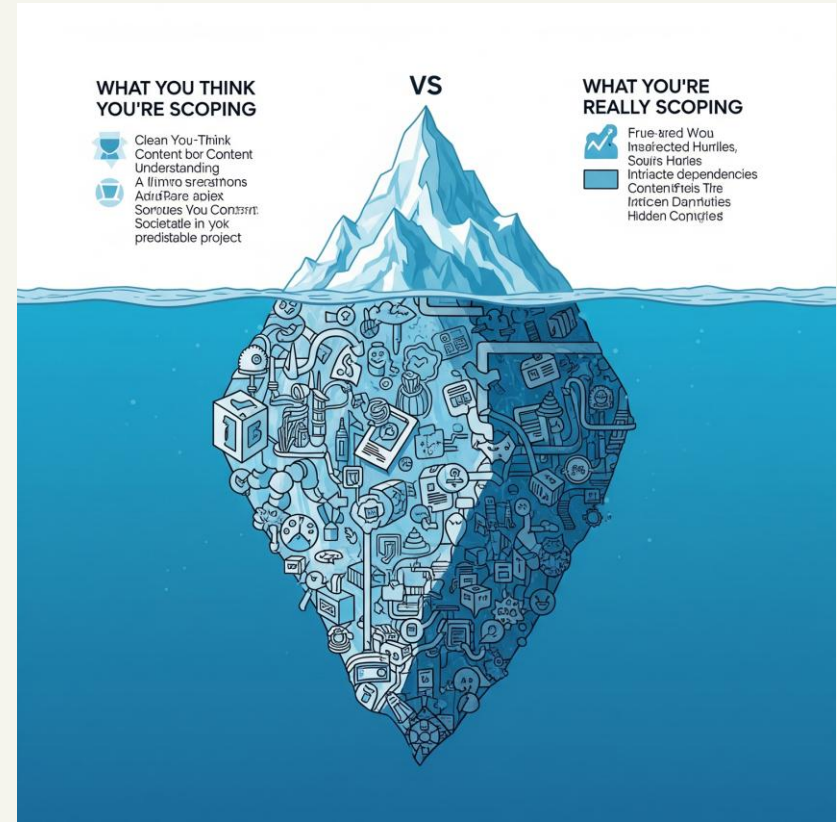


Key Cost Categories for V2X

- **Hardware**
- **Software**
- **Installation & Integration**
- **Set-up and config**
- **Operations & Maintenance
(O&M)**



- **Project Scope Creep:** physical infrastructure, back-end software & networking, one time buys vs on-going, comm, data flow, cooperation
- **Current Set-up:** network security, infrastructure affects of software/firmware updates



Factors Influencing V2X Deployments

- **Scale and Scope:** deploying equipment
- **Technology Choice:** which vendor?
- **Existing Infrastructure:** existing infra, cabinet size, conduit and wiring obstacles
- **Communications:** fiber vs cellular



Funding Avenues for V2X Projects

Federal Grants

- **Limited V2X deployments**
- **Importance of partnerships & contracts**
- **Sole source**
- **Purchasing agreements?**

Challenges & How to Avoid Them

- **Device check-out:** detailed logs
- **Installation costs:** precise information
- **Installation:** the FIRST install the RIGHT install

Key Takeaways

- **Ongoing funding and manpower costs**
- **Scope Creep**
- **Utilization of existing infrastructure**
- **Partnership and vendor understanding**

Thank you

