

LARCAN 'End to End' Engineering Solutions

LARCAN is a full service Broadcast Solutions Company.

LARCAN innovates, designs and manufactures Analog & Digital TV transmitters for the wireless and broadcast markets worldwide. We specialize in custom network planning and RF Synergies for Broadcast and Mobile Video / DVB-H technologies.

LARCAN offers end to end engineering solutions in Mobile Video / DVB-H networks, and broadcast innovations in Solid State VHF, UHF, HP IOT transmitters, as well as LP transmitters / translators.

LARCAN delivers complete broadcast solutions to customers worldwide and takes pride in and responsibility as a single source of expertise and experience in the broadcast industry.

As a leader in RF engineering and expertise, LARCAN provides complete 'End to End' Engineering Solutions for Mobile Broadcast and beyond.

LARCAN 'End to End' Engineering Solutions

For Mobile Broadcast. Anywhere.



- * **Network Planning & RF Synergies**
For Broadcast and Emerging Mobile Markets
- * **State-of-the-art Coverage Prediction & Analysis**
Integrated Broadcast Design Capabilities
- * **Field Measurements & Site Planning**
Single Source Solutions for Technical Management
- * **Customized RF Systems Design**
RF Engineering Solutions & Expertise
- * **Service Programs & Site Maintenance**
Long term Service & Technical Support Solutions



Mobile Broadcast / DVB-H Network Planning



We offer a range of services to help you map out your broadcast network needs, given your strategy and goals for growth.

- Mobile Broadcast Rollout Strategy
- Short Term & Long Term Goals
- Plan a network that can grow with/for your needs in the most effective and economical manner

State-of-the-art Coverage Planning and Prediction Analysis



We offer innovation in custom coverage prediction and analysis, with many tools and features – to give you insight into what you need and what your options are in determining the best coverage approach for your broadcast.

- System Optimization with over a dozen propagation models available for most broadcast systems including;
 - DVB-T, DVB-H
 - ATSC
 - Analog Television
 - DAB/DMB
 - FM, FM-IBOC
- Receiver behaviour models
- C/N analysis as well as field strength
- Multiple transmit site analysis including SFN.
- Demographic coverage assessments



Field Surveys & Site Inspections



To help you better understand next steps in your broadcast planning, we offer comprehensive field surveys and site inspections. This enables you to understand first hand the opportunities and obstacles in your implementation. Our field expertise will help you determine how best to achieve your desired broadcast solutions.

- Site Surveys & Inspections
- Field Measurements & Reports
- Validation

Site Planning & Installation



LARCAN offer customized RF Systems Design. Our Applications Engineering and Technical Services experts will design and plan the optimum installation for you. At LARCAN, our Installation Service team is driven by excellence in our approach to design. We take the time to make sure your transmitter needs are the right fit, from product to application and develop unique solutions - given your space, cooling & air handling, electrical, grounding, ergonomic, and operability requirements.

Custom Services for Technical Management



We offer single source solutions for Technical Management – from field proofs to installation services and everything in between. With LARCAN, you are assured of technical excellence every time with our services and commitment to long-term technical support. Our service reputation is renowned worldwide.

- Field Proofs
- 24/7 Technical Availability
- Custom Service Programs

Mobile Broadcast / DVB-H Equipment

LARCAN offers broadcast solutions in Mobile Video / DVB-H for all worldwide standards.

Designed to address the innovative needs of DVB-T/DVB-H markets and Single Frequency Networks worldwide – we provide complete equipment solutions for broadcast applications, mobile video and beyond.



Low Power DVB Solutions – New MXi Series
Digital Solutions from 10 Watts to 350 Watts



Medium & High Power DVB Solutions – Magnum Series
Magnum - DVB-T/DVB-H: 1kW to 12kW and beyond