

Aldena: the reliable antennas

With over 30 years of professionalism **Telecomunicazioni Aldena**, is today one of the leaders in the telecommunications and broadcasting industries. Since 1979, on the basis of experience dating back as far as the Fifties, Aldena has been producing professional antennas and accessories for radio and television broadcasting and tlc. Thanks to the company's valuable knowledge and skills gained over the years, Aldena is recognized on the international market as a competent, professional and reliable company, with great technical capabilities and ... a friendly interface!

In today's highly competitive, highly reactive marketplace, a customer-oriented approach is imperative. The **ISO 9001 certification** held by Aldena is a guarantee of a quality standard management system able to constantly deliver continuous improvements in all aspects of our business from design through manufacture and assistance.

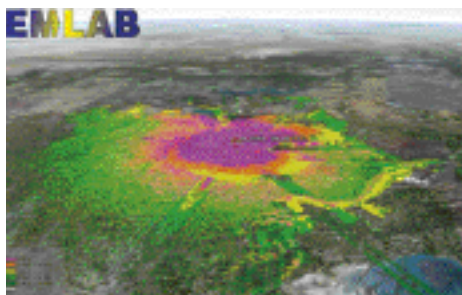
Antenna systems

Professional antenna systems for **analog and digital transmissions** represent the main Aldena products: radio (FM, DAB), TV (VHF Band I, VHF Band III, UHF Band IV/V – DVB-T/DVB-H) and radio links. With them, and the vast range of accessories available, complex radiating systems are designed with performance levels optimised according to the territorial coverage requirements.

Services

Aldena is able to offer an increasingly vast array of high-quality professional services. We can perform site surveys and

analyses to assess existing infrastructure and to determine coverage requirements, plus installation supervision and/or commissioning up to field strength measurements and consultancy on technical aspects or regulatory issues. The migration to digital broadcasting technologies entails a wide range of ongoing



challenges and new objectives for broadcasters and transmission site owners, who need RF systems that support new technologies, minimize operating costs and have to last for many years. Aldena's team of engineers provides optimal solutions for all components between the output of the transmitter and the radiated signal. Every system can be customized, based on specific coverage requirements, territory conformation, existing infrastructure and future needs. The aim is to achieve the best performance in terms of antenna gain, ERP, irradiation diagram and



area coverage, all in line with customer requests.

Aldena represents the ideal international partner for planning, design and final implementation of new SFN digital broadcast networks (DVB-T, DVB-H and DAB). In terms of network planning services, Aldena can offer a wealth of know-how on developmental aspects due to its first-hand experience in the development of



numerous high-profile installations around the world, as well as its expertise in and compliance with reference standards and international regulations.

EMLAB

EMLAB software has been successfully adopted by radio and TV broadcasting and mobile, technical consultants, government environmental agencies, ministries of health, supervisory authorities,

universities and research centres. EMLAB is powerful, versatile and attractive. An

innovative computing software tool, available in modular versions to meet every need: EMLAB Base - Evolution – Coverage - Multi-Coverage versions and Environment option. Owing to its modular and flexible structure, EMLAB is continually expanded and upgraded with a view to making it an even more essential instrument for tlc professionals. EMLAB is everything you need to create your antenna system and networks:

- antenna systems design;
 - 3-D solid visualization;
 - network planning;
 - coverage area calculation with population analysis;
 - Google earth export;
 - analog and digital SFN (DVB-T, DVB-H, DAB) calculation capabilities ;
 - environmental impact calculation;
 - upgradable antenna library;
 - real-time analysis.
- Aldena prides itself on its professionalism, the excellent technical performance of its products, contained costs, pre- and after-sales

assistance and accuracy. Moreover, Aldena boasts the enthusiasm, passion and the ability necessary to face the challenges of the market. Our customers are the best judges of our work. Try Us!

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