KNOWLEDGE SUCCESS www.reportjunction.com hat does knowledge give you... It gives you the power of technology, and translates that into a miracle called innovation. This knowledge comes from vital original research, and in the case of AMPL, provides the thrust that creates breakthrough technology for communication. This very communication brings the world closer, while enabling people to come together.

The shrinking of the world seems like a miracle. But it was innovation that made it

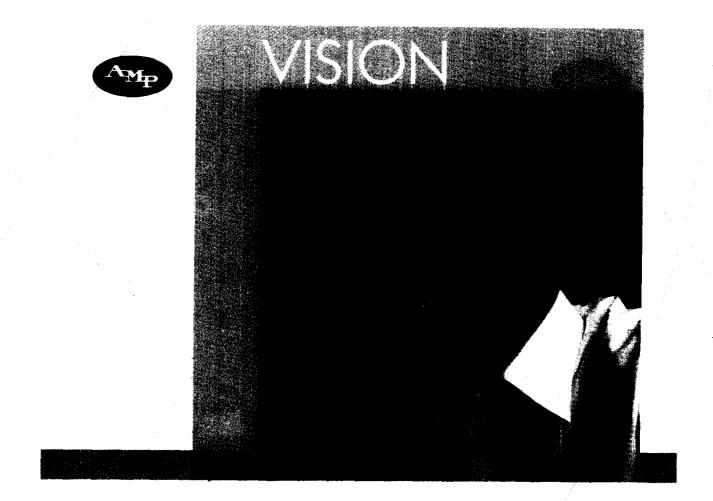
happen.



SOLUTIONS

KNOWLEDGE

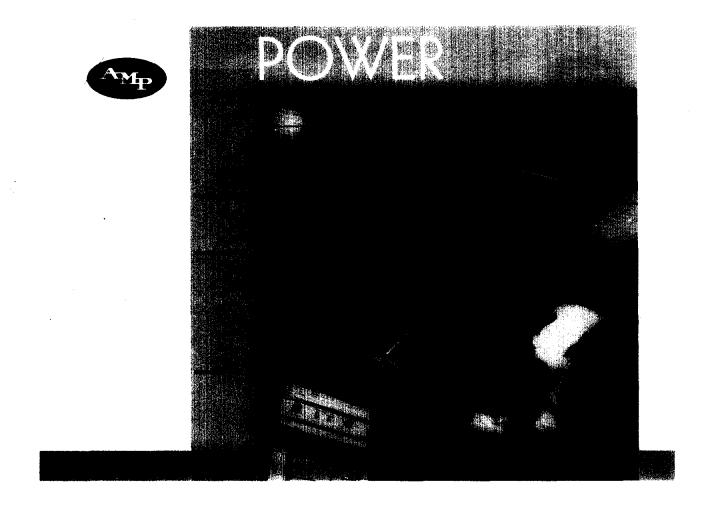
KNOWLEDGE SUCCESS



To be at the forefront of the telecommunication revolution through research and development.

Investing in technologies that can lead to

Employ the finest talent to reach the top through excellence.

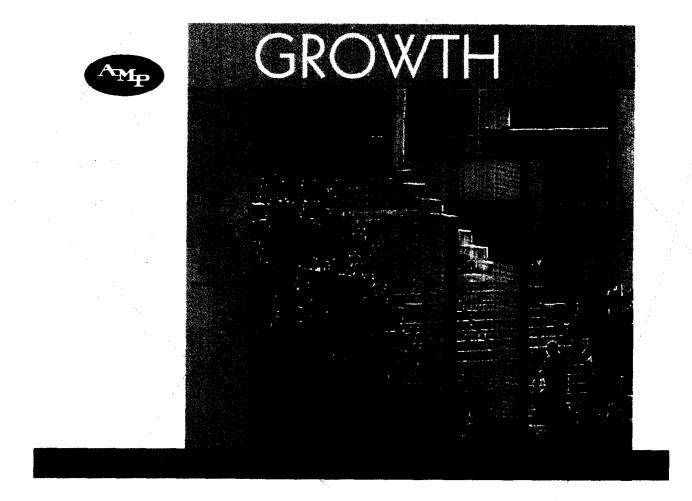


That Astra is a technology driven
Company is easily proven by the
success of its products in India and
abroad, its highly qualified and
accomplished people and its consistent
financial performance. Because
technology, the world over, is dynamic
and ever-changing, keeping pace with
the requirements of the market.

In Telecommunications, all this becomes ever so important, due to the speed of technology advancement. Astra has proven to be as agile as the best and right at the forefront of the revolution.

Striving for leadership through research and development. Employing the finest talent in the land to play the role of the eternal seeker.



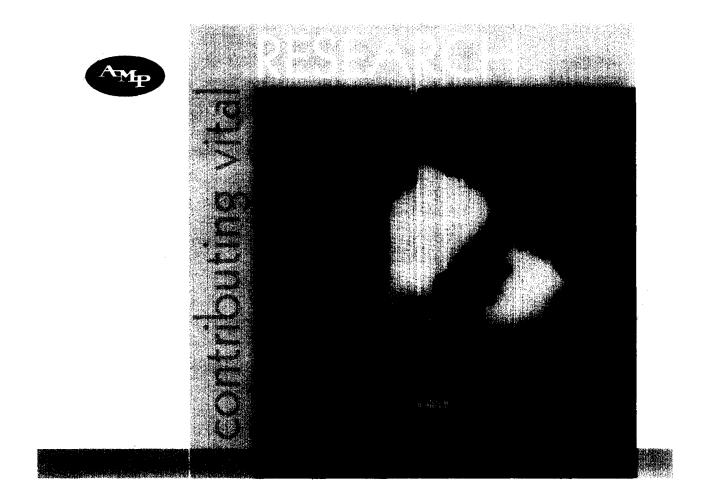


Astra was established in 1991 by a group of experts in the field of Microwave Engineering. The Company established a strong research, design and manufacturing base for microwave components, sub-systems and systems in VHF, UHF and microwave bands for all applications. The Company's expertise in design was instrumental in establishing a strong vendor relationship with reputed establishments.

Today 60-70% of the Company's electronic systems using microwave

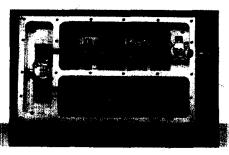
components find use in the
Telecommunication and Defense sector,
while it is poised to enter the
low - frequency Private sector market
which hitherto imported all microwave
components.

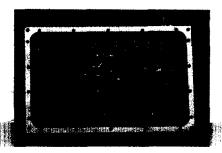
With the vast experience of the team, and their combined design strength of over 300 man years, the Company is confident that its growth rate will match or exceed that of the previous years.

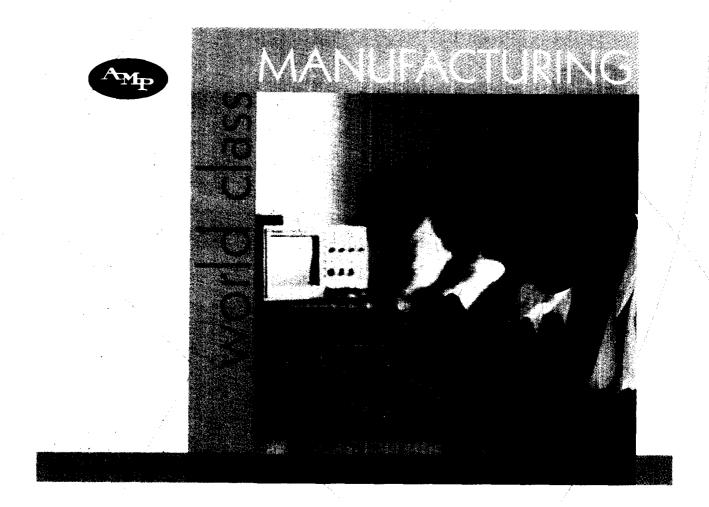


Astra has nurtured a culture of scientific curiosity within the organization, which leads to an unending quest of the unknown. Today the Company plays the role of an innovator, determining future trends in RF and Microwave Communication systems and standards.

Astra encourages ideas that come from an understanding of client and market requirements. It believes that innovations based on insight will surely find a place in subsequent product development. Meanwhile the development process itself is democratic, open and participatory. All are welcome to contribute, as innovation is not the prerogative of the innovator, it is the destination of the seeker. This is the culture and attitude Astra brings to the table to translate customer requirements into perfect solutions.





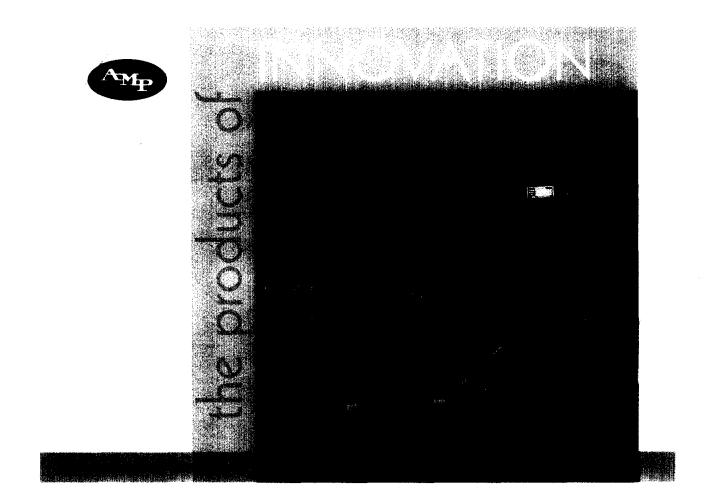


Astra's fully integrated production facility has the capacity to deliver the quickest 'idea to market' time. The unit features state of the art equipment for manufacturing and testing such as CADD stations, Environmental Chambers, Vector and Scalar Network Analyzer, Spectrum Analyzers, Power Meters, Plotters, Function and Pulse Generators and an Antenna Test Range.

The test facility has helped Astra gain significant share in the VSAT market, competing with established overseas Companies. With all this it can easily be claimed that Astra provides world class manufacturing and testing facilities under one roof. With a single objective, of course - products with 100% reliability.







Astra's Product Range finds application in three areas: Radio Transmission, VSAT & Cellular Communication and Defence. Besides these, Astra has a product range for export.

## Radio Transmission

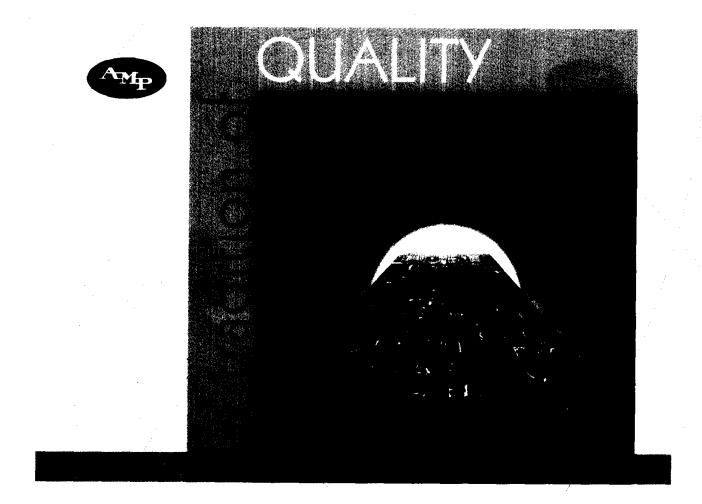
- Ferrite products like Isolators / Circulators.
- Filters of all types and configuration including Duplexers and Diplexers.
- Passive components like Power Dividers, Monitors, Samplers, Couplers and Dummy Loads.
- Custom-built RF hardware in 100 MHz to 18GHz frequency range.

## **VSAT & Cellular Communication**

- Antennas including C-band,
   Extended C-band and Ku-band,
   VSAT dish antennas, Collinear omni,
   Directional, Para-grid antennas, Yagi
   antennas and Panel antennas.
- Bi-directional amplifiers for GSM, WLL and PCS band.
- Transmitter combiners and receive multi-couplers for cellular and radio trunking.

## Defense Applications

 Sources - VCOs, PLOs, Comb Generators, DROs, SRD Multipliers, STALOs, CGU's, RPF's, Radio Altimeter EDLVAS etc.



Quality is always built into a
Company's mindset, when supplying
core sector industries like defence and
telecommunications. These are critical
application sectors, and customers have
stringent guidelines and parameters that
have to be adhered to. This has helped
foster a quality culture within the
Company, wherein quality is not an
external factor but one that resides in
the heart of every employee and every
product.

Astra has received ISO 9001
Certification from KPMG Peat
Marwick, USA covering all processes,
from manufacturing to marketing. The
certification is recognized worldwide.

But the true spirit behind Astra's quality movement are the senior Engineering professionals, who brought with them a culture of high quality and are today responsible for percolating this quality philosophy down to the last person on the shop floor.

