



ABOUT COMPANY

Electa Engineers has built a reputation for excellence in electrical projects and GPR surveys. Our firm is founded on principles of integrity, exceptional service, and superior workmanship. With nearly twelve years of industry expertise, Milind leads a team of highly educated and experienced professionals committed to delivering projects on time and exceeding client expectations.

Services

- Ground Penetrating Radar (GPR) or Electrical & Pipe Locator (EPL)
- Differential Global Positioning System (DGPS) or Global Positioning System (GPS)



Ground Penetrating Radar (GPR)

Ground Penetrating Radar(GPR) is a geophysical method that uses high-frequency radio waves to investigate and map subsurface structures. It is widely used in fields such as engineering, archaeology, geology, environmental studies, forensic investigation,etc. It uses radar pulse to scan and detect utility or changes in material properties beneath the ground.



HOW GPR WORKS

- 1) TRANSMISSION OF RADAR WAVES: GPR sends electromagnetic waves into the ground via an Antenna.
- 2) REFLECTION OF WAVES: These waves then bounce back, when they encounter a change in material.
- 3) DATA INTERPRETATION: The reflected signals are recorded, processed, and analyzed to create an image or profile of the subsurface.

ADVANTAGES OF GPR

- 1) This technology is totally Non-Destructive and does not require any excavation.
- 2) This technology gives Immediate results and provides quick decision-making.
- 3) It can be used in a wide range of applications.
- 4) No need for Hazardous chemicals or Heavy equipment.



PROJECTS WE HAVE DONE



CLIENT: PUNE METRO
AGENCY: STERLIN WILSON
DISTANCE: 2KM



CLIENT: PUNE METRO
AGENCY: MD TRANCORN
DISTANCE: 2KM



CLIENT: MICROSOFT, CHINCHWAD
AGENCY: TEJAS ELECTRICALS
DISTANCE: 4KM



CLIENT: MSETCL



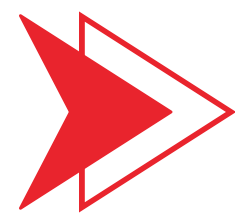
CLIENT: MUMBAI RAILWAYS



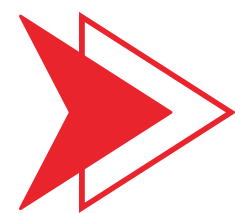
CLIENT: PUNE METRO
AGENCY: RAHUL CABLES
DISTANCE: 4KM



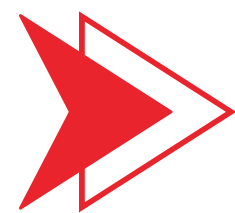
CLIENT: PUNE METRO
AGENCY: SIMENS
DISTANCE: 4KM



GPR can help us identify underground utilities and structures, which can help us avoid costly mistakes during construction



It allows buried services to be mapped accurately without the need for any excavation.



It is also an effective method of locating non-mettalic and plastic pipes such as gas or water mains, as well as locating shallow voids



Using this method we can avoid accidents which happens during the digging without any information about the underground land.

WHY IS IT IMPORTANT ?



WHY US



12+ years of EXPERIENCE in the industry.

Being on time is not just our belief but it's on our blood.

Highly Skilled Professionals, well equipped with resources & understanding of work.

Projects Like Pune Metro, Mumbai Railway, Microsoft & MSETCL are testament of our quality work delivered every time.

Get in Touch with Us



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The Stellar Complex, Pune

