



PRODUCTS AND SERVICES

Leader in satellite tracking system with over 50 years of experience and more than 900 systems installed in over 70 countries, NPC SYSTEM® proudly continues to develop and supply NEYRPIC® satellite tracking systems for both civilian and military markets.

Though a series of mergers and acquisitions, from NEYRPIC® to Alstom to General Electric, and finally to NPC SYSTEM in 2019, NEYRPIC® satellite tracking systems have consistently provided a reliable tracking solution to customers. NPC SYSTEM carries on NEYRPIC's expertise in designing tracking systems for all types and sizes of fixed and mobile antennas.

PRODUCTS

NEYRPIC® DTR500

NEW !

The next generation in satellite tracking receivers

NEYRPIC® DTR500 is a high performance, fully synthesized tracking receiver. It provides a high-quality and cost-effective solution, serving as a beacon receiver for satellite tracking in step track, a tracking receiver for precise and reliable monopulse tracking during critical LEOP (Launch and Early Orbit Phrase), TT&C (Telemetry Tracking & Command), and IOT (In Orbit Test) applications, and it also offers a spectrum display.



Flexibility and real time analysis

- Touch screen display associated with its alphanumeric keypad and spectrum analyzer
- Ethernet webserver for commissioning and maintenance
- Multiple polarization input configurations
- Step track with support for up to 4 internal BDC spanning from C to Ka band
- Monopulse capability with external RF monopulse scanner plate



NEYRPIC® ACU550

Its innovative modularity allows for high flexibility in its core, making it suitable for multiple applications while retaining its full set of features and environmental friendliness.



- New generation of microprocessor-based ACU
- Possesses the latest tracking prediction algorithm, IPOP
- Modular for use with any type of antenna
- Supports step track, monopulse and AI prediction tracking (IPOP)



NEYRPIC® PDU

The NEYRPIC® Power Drive Unit handles the power and control systems for the motors, stow pins, brakes and clutches.

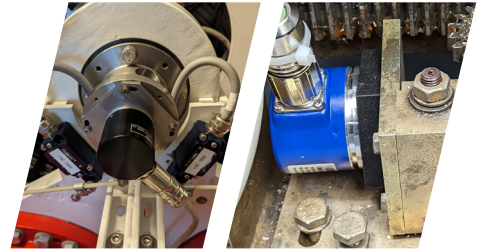


- Allows for the processing of limit switches and safety devices
- Offers flexible engineering to fit any tracking application, designed with different motor configurations, from 1 to 4 motors per axis
- Features a detailed diagnostic panel
- Includes an Anti Backlash System (ABS) to manage counter-torque with dual motors per axis



POSITION SENSORS

We offer multiple position sensor technologies and resolutions ranging from 18 to 21 bits, tailored to any tracking mode.

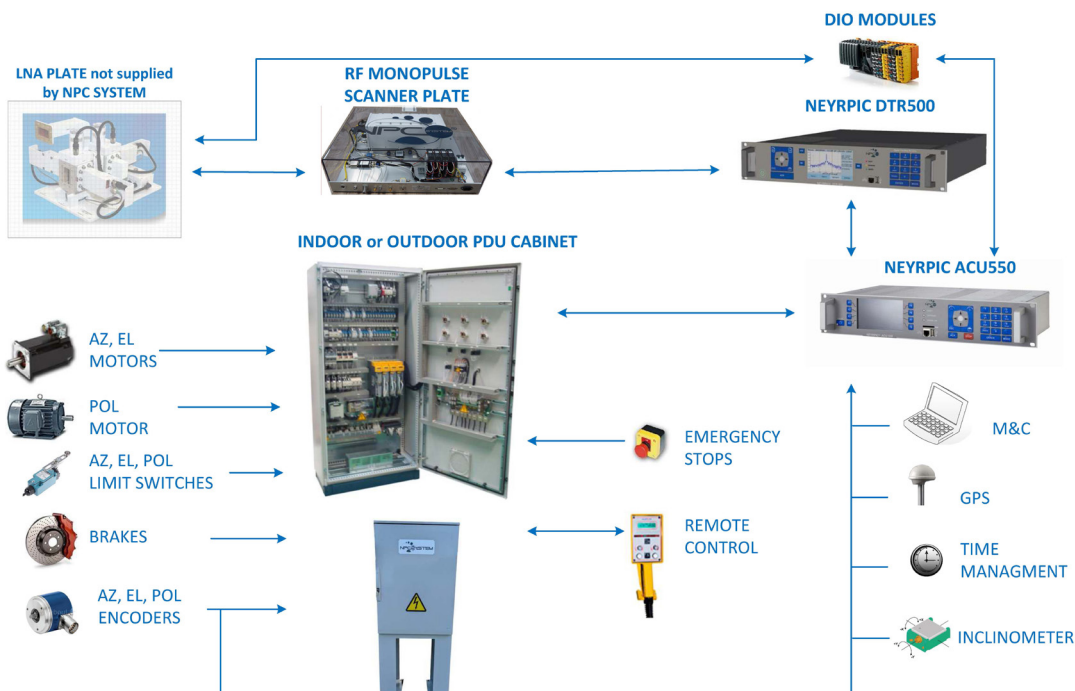


MOTORS

NPC SYSTEM supplies state-of-the-art motor technology for its tracking solution, including DC, asynchronous or brushless motors.

The latter is better suited for critical monopulse applications and is equipped with a speed feedback encoder to precisely adjust its control at very low speeds. NPC SYSTEM can provide a broad range of motors to suit the customer's application.

COMPLETE TRACKING SOLUTION

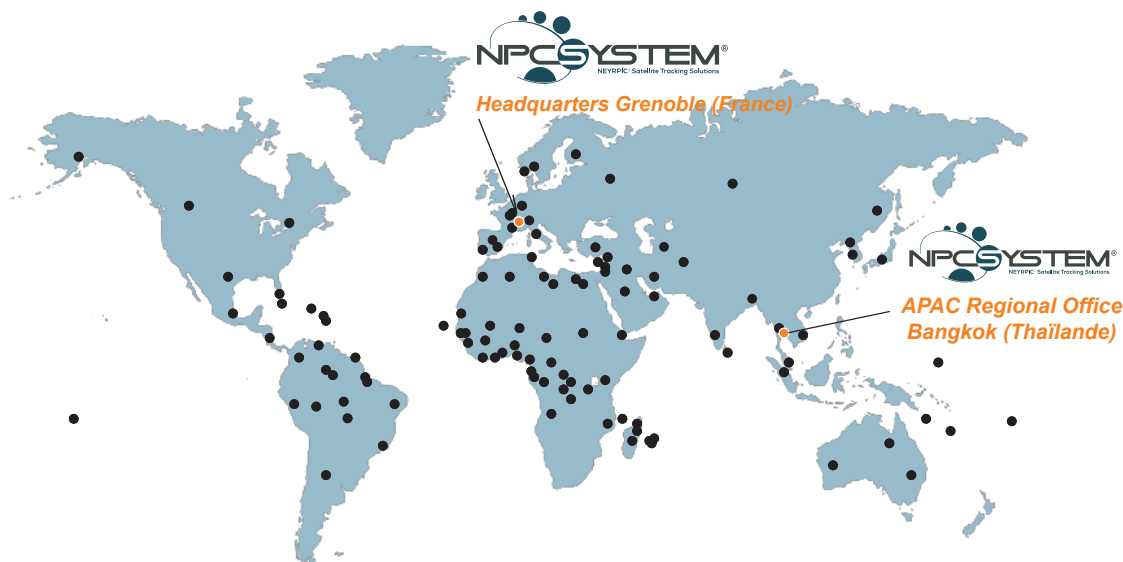


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INSTALLATIONS IN THE WORLD



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SERVICES

SERVICES

- Site survey and tracking system audit
- On-site troubleshooting
- Telephone assistance
- Software upgrades
- Product repairs
- Complete or partial tracking system refurbishment

INSTALLATION

- RF Monopulse scanner plate
- DTR500, ACU550
- PDU integration
- Position sensors and limit switches
- Motor and jack screw replacement
- Tracking performance verification
- Site acceptance testing



RF AUDIT

- RF performance testing
- Assistance from RF engineering tracking experts
- On-site and in-house product testing



TRAINING

- On-site and in-house training
- Principles of tracking system operation
- Troubleshooting and maintenance for NPC SYSTEM products

OUR CUSTOMERS

