

Telescopic & Hoistable Mast

CAPABILITY SHEET - DEPLOYABLE PAYLOAD-ELEVATING MAST - PROTOTYPE & ENGINEERED TO ORDER

THE SYSTEM

WHAT	A telescopic / hoistable mast raises a payload - an antenna, a sensor, a camera or a light - to height and holds it steady, then retracts it to move.
OUR ROLE	Neometrix engineers the mast, the drive and lock, the base and stabilisation, the control and actuation, and the platform integration; the payload is customer-furnished.
STATUS	Prototype and engineered to order; configured to the payload, height, wind and platform. No specific delivered mast is claimed on this sheet.

THE JOB

RAISE	Nested telescopic sections are driven up by a pneumatic, electromechanical or hydraulic drive; a mechanical lock holds the height, chosen to the payload.
HOLD STEADY	A raised payload is a lever arm in the wind; a levelled base, outriggers or guys, a stiff mast and a wind rating hold it steady and pointed - the real engineering.
RETRACT	The mast collapses to a compact stowed length to move, and deploys fast at the next site - a mobile capability is only useful if it goes up and down quickly.

THE MAST

SECTIONS + DRIVE	Nested telescopic tube sections (aluminium, composite or steel) and a pneumatic, electromechanical or hydraulic extension drive with a mechanical lock at height.
BASE + STABILITY	A levelled base with outriggers or guy lines, a stiff structure and a defined wind rating that keep the raised payload steady and pointed.
CONTROL + ACTUATION	A controller and HMI with height feedback to raise, lock, hold and lower, plus the actuation and the integration onto a vehicle, trailer or shelter.

DISTINCT & HONEST

PAYLOAD IS GFE	The payload - antenna, sensor, camera or light - is customer-furnished or specialist; the mast carries it. We are the mast people, not the payload people.
OUR FRANCHISE	It is a hydraulics, pneumatics, structures, fabrication and controls problem - our competence; the payload and any proprietary tube-sets are bought-in or GFE.
ENGAGEMENT	Send the payload, the height and the platform to sales@neometrixgroup.com for a clause-by-clause compliance matrix in two working days.

DEFENCE PROGRAMMES DESK

sales@neometrixgroup.com · +91 7777 876 876 · neometrixgroup.com

Neometrix Defence Limited · E-148, Sector 63, Noida, Uttar Pradesh, India