

The invention relates to 360-degree observation towers with a rising mast which are intended for viewing tourist attractions from a height of 50-70 metres. The proposed 360-degree observation tower with a rising mast comprises: a base (1) fixed to a foundation and having a lifting mechanism with a three-dimensional form mounted thereon, said lifting mechanism being formed by interconnected extendable sections (3); a platform with a capsule (10) mounted thereon; and a hydraulic drive mounted for cooperation with the extendable sections. The lifting mechanism is configured in the form of a telescopic mast (2) consisting of sections (3), the first of which is fixed and the subsequent sections being extendable, which are connected to one another to form a rigid structure having a cross-section in the shape of an equilateral triangle. Each section (3) consists of vertical posts (4) arranged at the corners of an equilateral triangle and connected to one another by trusses (5). Each upper section (3) is mounted inside its corresponding lower section (3) with equal spacing between the sections. Mounted between each post (4) of a lower section and the corresponding post (4) of its upper section (3) is a plunger-type single-cavity hydraulic cylinder (6) with a hollow rod, which serves to transfer a hydraulic fluid from the hydraulic cylinder (6) of one section (3) to the hydraulic cylinder (6) of the next section (3). Mounted between the posts (4) of each section (3) from two sides are linear bearings consisting of guides (7) with carriages (8). The hydraulic drive comprises a hydraulic power unit (9) and is equipped with a control system.