

DEVELOPMENT OF NEW X-RAY RADIOSCOPY & Tomography EQUIPMENT FOR NDT ANALYSIS

**Mihai Iovea¹, Gabriela Mateiasi¹, Marian Neagu¹, Vassilis Georgiou²,
Panagiota Tsagakari³, Antonios Antonakakis³**

¹*ACCENT PRO 2000 Ltd., www.accent.ro; office@accent.ro*

²*ENIA SA*

³*Public Power Corporation, KDEP, Greece*

ABSTRACT

Based on previous simple X-Ray tomograph developed at PPC some years ago, we continue the R&D program by building new Radioscopy & Tomography equipment based on using a new 1280 x 0.4 mm X-Ray Linear array detectors and 300 keV/5mA X-Ray generator. The vertical translation with 250 mm range and a 200 mm diameter-rotating table allows tomographic reconstruction (slices) at any height and also digital radiography scans at any angle. The paper presents the general design and the main features of the new system together with the preliminary tests.