

EMA FAMILY ACOUSTIC EMISSION DIAGNOSTIC CONTROL SYSTEMS



Odesa Port Plant facilities to be continuously monitored by the systems



EMA-4 devices based on 4-channel and 16-channel modules

Stage of Development. Suggestions for Commercialization

IRL7, TRL7

Manufacture, supply, warranty service,
and staff training, upon request

IPR Protection

IPR1

Areas of Application

The systems are to be used for periodic control or ongoing monitoring of technical condition of critical industrial facilities during operation

Specification

The system consists of AE transducers, AE signal preprocessors and amplifiers, PC with specialized software, means of communication, and support hardware. The system has individual configuration that depends on geometry and operating conditions, as well as on suggestions on their operating capacity. The systems recognize detect processes of fracture propagation based on AE data

Advantages

The EMA systems have no counterparts in the world. They assess the level of danger of the facilities condition, localize places of their possible fracture/destruction, estimate breaking strain under current operating conditions and residual service life of facilities. This enables to reduce costs of routine repair or remedial works

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