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BALKAN MINING CONGRESS

# BOOK OF ABSTRACTS

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Track-type loader excavator at work  
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Miner in a pit  
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## NDT IN FUNCTION PREVENTION OF LOSS INTEGRITY OF STRUCTURES LARGE DIMENSIONS

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### ABSTRACT

The paper presents examples of the loss of structural integrity due to large induced defects in welded joints occurred during the time of preparation of construction or during operation, which are not detected in time or not at the time repaired, and can be attributed to inadequate prevention in system maintenance.

Daily visual inspection should be provided in order to monitor the behavior of structures in exploitation, and if necessary, NTD method of testing the most loaded parts of the structure should be applied. This approach may be applied to other types of similar construction, and its application in preventive maintenance would help extend the life of structures of large dimensions.

#### Keywords

NTD, Prevention, Integrity Loss,  
Large-Scale Structures