

Istanbul Technical University
Faculty of Civil Engineering
Structural and Earthquake Engineering
Laboratory
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R-01-02-2019



İnşaat Fakültesi
Yapı ve Deprem Mühendisliği Laboratuvarı

İTÜ



Civil Engineering Faculty
Structural and Earthquake Engineering Laboratory

YDM Lab

İTÜ



STEE Lab

Istanbul Technical University
Faculty of Civil Engineering
Structural and Earthquake Engineering Laboratory

Services

- *Static Tests*
- *Pseudo Dynamic Tests*
- *Dynamic Tests (Shake Table)*
- *Fatigue Tests*
- *Free and Forced Vibration Measurements*
- *Energy Dissipaters*
- *Seismic Isolation Systems*
- *Structural Health Monitoring*
- *Outdoor Tests*
- *High Voltage Electric Insulator Tests*
- *Railway Track&Slabtrack Tests*



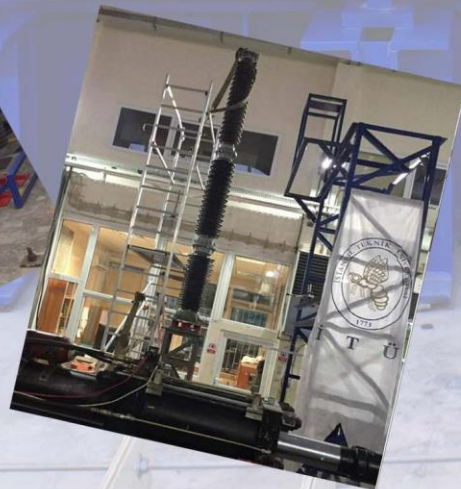
Equipments

- *MTS Static Hydraulic Actuators*
- *MTS Dynamic Hydraulic Actuators*
- *Dartec Static Hydraulic Actuator*
- *TDG Static Hydraulic Actuator*
- *Hydraulic Pumps*
- *Static and Dynamic Data Acquisition Systems*
- *Shake Table*
- *Load cells*
- *Displacement Transducers (LVDTs)*
- *Accelerometers*



Shake Table

Dimensions : 2.35 m × 2.35 m
DOF : 1D
Pay-Load : 60 kN
Stroke Velocity : 1 m/sec
Displacement Capacity : ± 325 mm
Effective Acceleration Capacity : 1g
Overturning Moment Capacity : 320 kNm
Friction Coefficient : 1.5 %



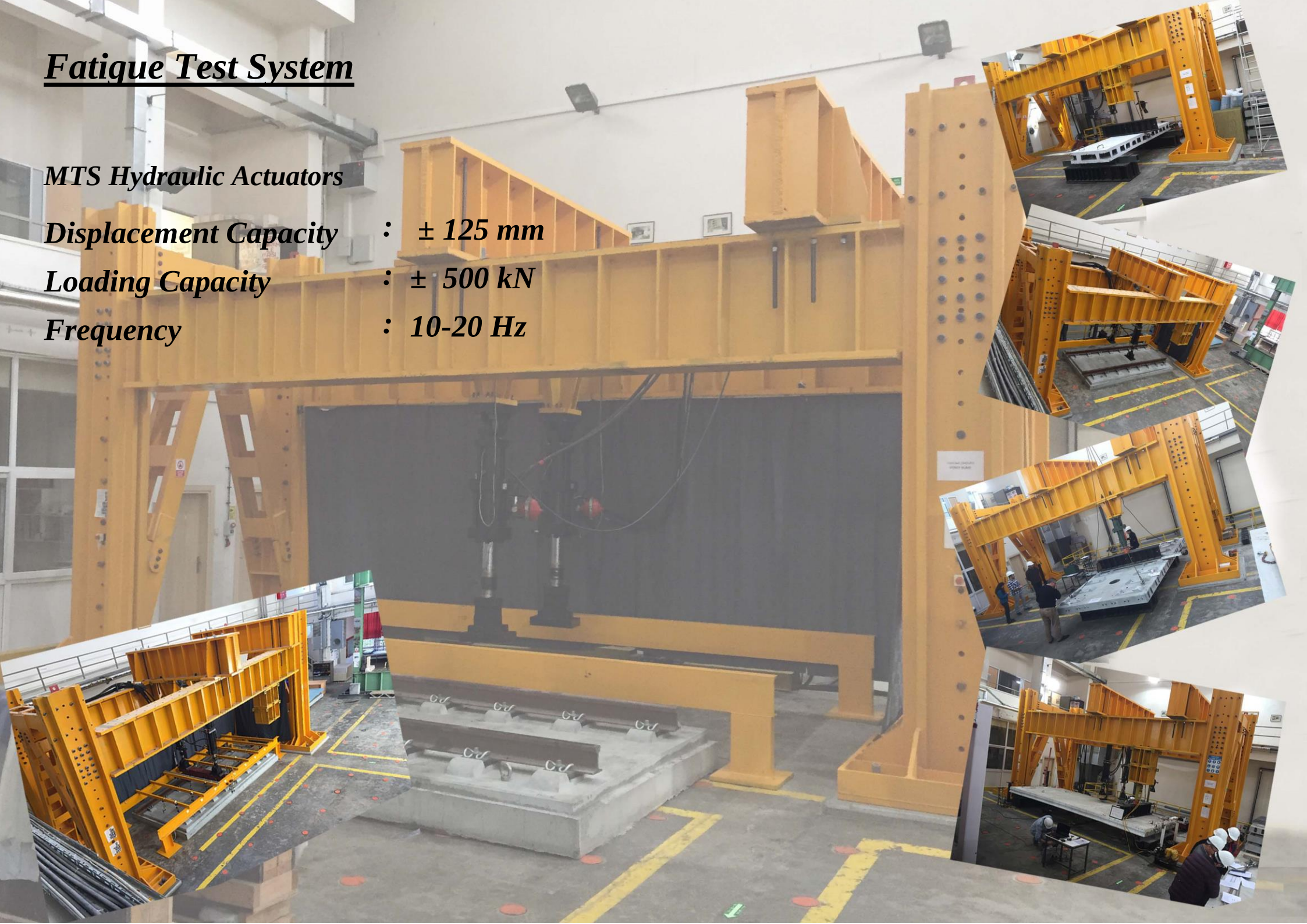
Fatigue Test System

MTS Hydraulic Actuators

Displacement Capacity : $\pm 125 \text{ mm}$

Loading Capacity : $\pm 500 \text{ kN}$

Frequency : $10\text{-}20 \text{ Hz}$





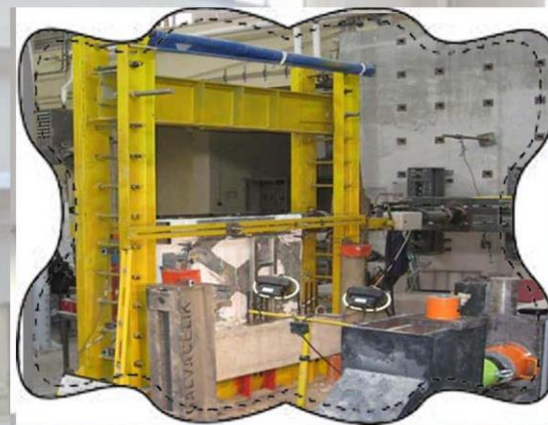
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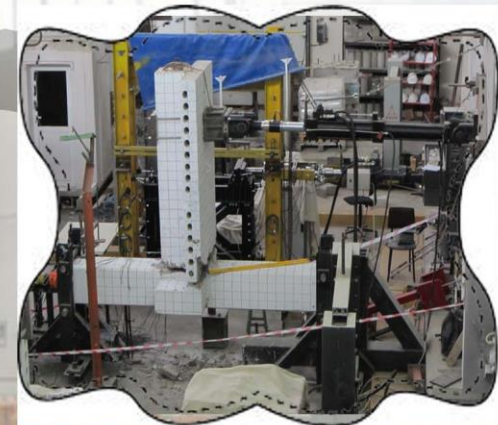
1992-1993



1997



2007



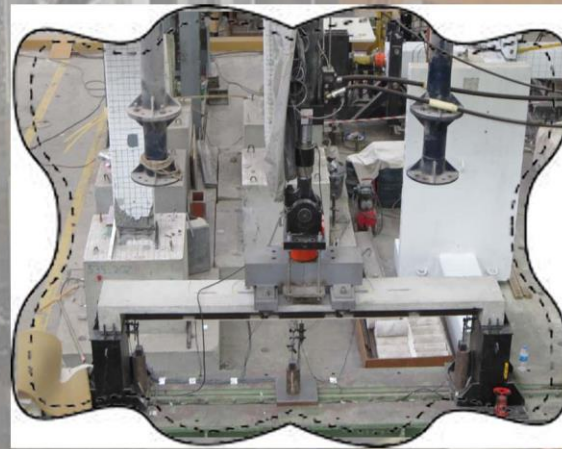
2011



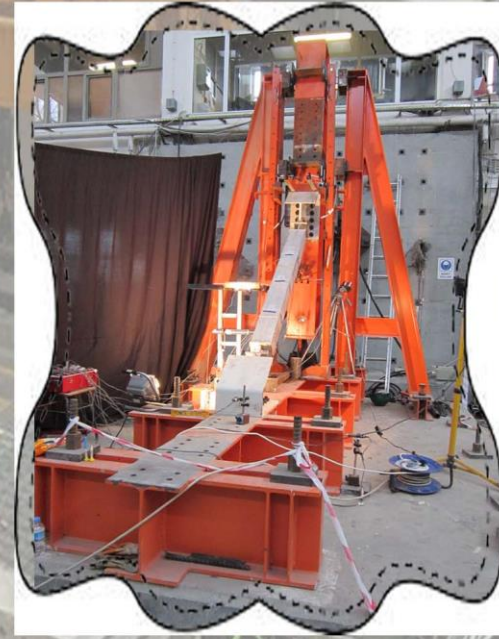
1997



2002



2011



2011

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