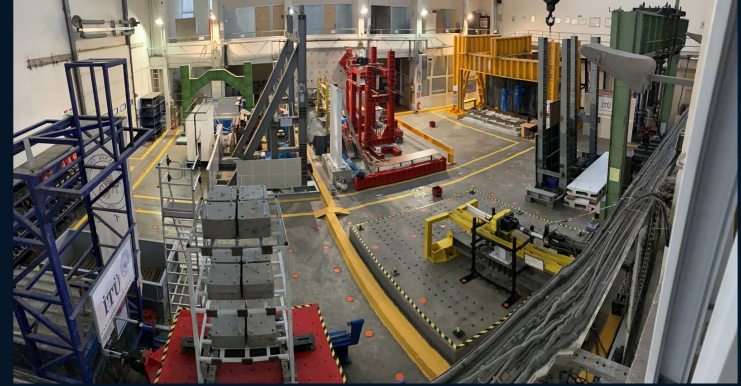


YDM Lab

30 YIL
1993-2023



250 YIL
1773-2023



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İnşaat Fakültesi
Yapı ve Deprem Mühendisliği Laboratuvarı*

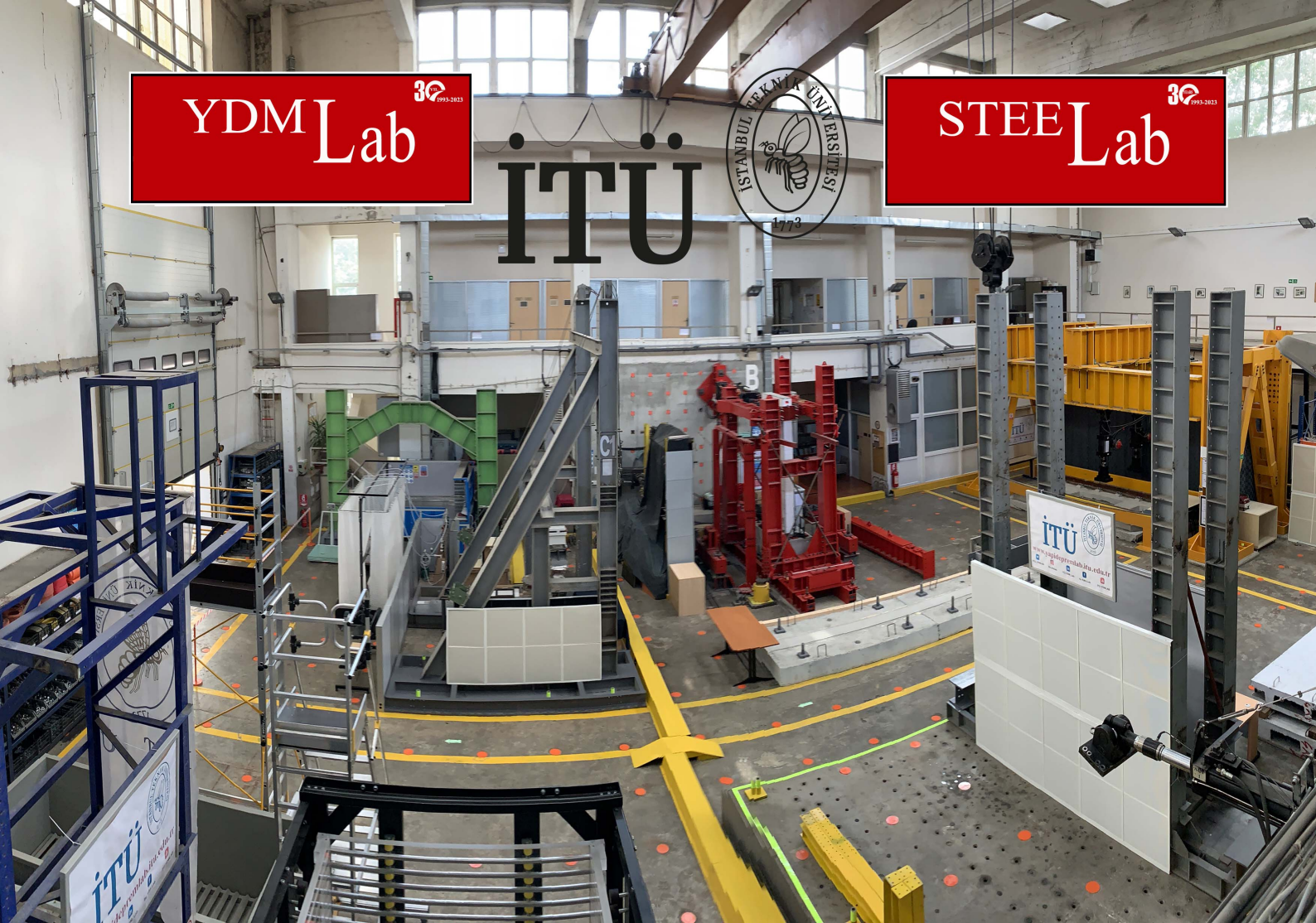
YDM Lab



İTÜ

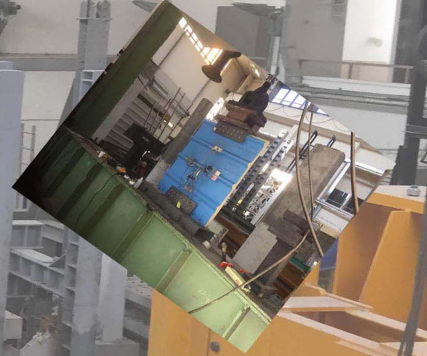
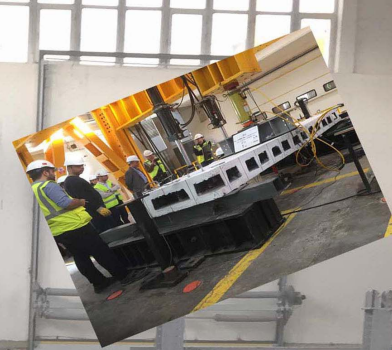


STEE Lab



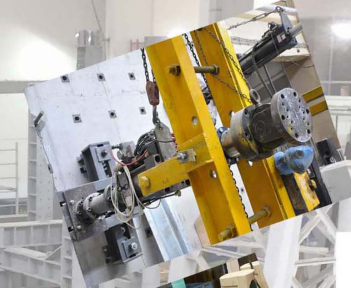
Çalışma Alanları

- Statik Deneyler
- Benzeşik Dinamik Deneyler
- Dinamik Deneyler (Sarsma Masası)
- Yorulma Deneyleri
- Serbest ve Zorlanmış Titreşim Ölçümleri
- Enerji Sönümleyiciler
- Sismik İzolasyon Sistemleri
- Yapı Sağlığı İzleme
- Saha Deneyleri
- Yüksek Gerilim İzolatörleri Deneyleri
- Travers ve Travers Plağı Deneyleri



Mevcut Ekipman

- *MTS Statik Hidrolik Veren Sistemi*
- *MTS Dinamik Hidrolik Veren Sistemi*
- *Dartec Statik Hidrolik Veren Sistemi*
- *TDG Statik Hidrolik Veren Sistemi*
- *Hidrolik Pompalar*
- *Statik ve Dinamik Veri Toplayıcılar*
- *Sarsma Masası*
- *Yük Ölçerler*
- *Yerdeğiştirme Ölçerler*
- *İvme Ölçerler*



Sarsma Masası

Boyutlar

: 2.35 m × 2.35 m

Serbestlik Derecesi

: 1D

Düşey Yükleme Kapasitesi

: 60 kN

Hız

: 1 m/s

Yerdeğiştirme Kapasitesi

: ± 325 mm

Etkin İvme Kapasitesi

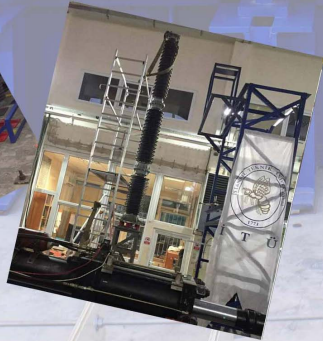
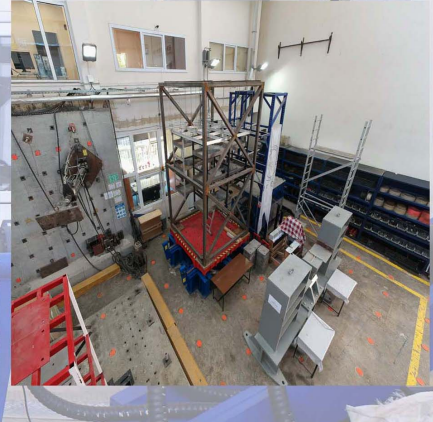
: 1g

Devrilme Momenti Kap.

: 320 kNm

Sürtünme Katsayısı

: %1.5



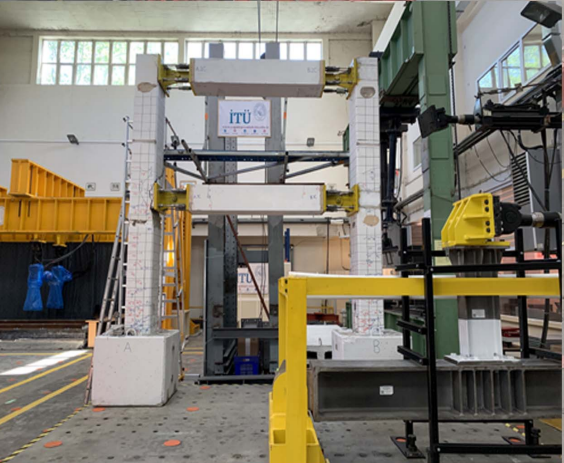
Yorulma Deney Sistemi

- 2 Adet MTS Hidrolik Veren
- ± 125 mm Yerdeğiřtirme Kapasitesi
- ± 500 kN Yükleme Kapasitesi
- 10-20 Hz





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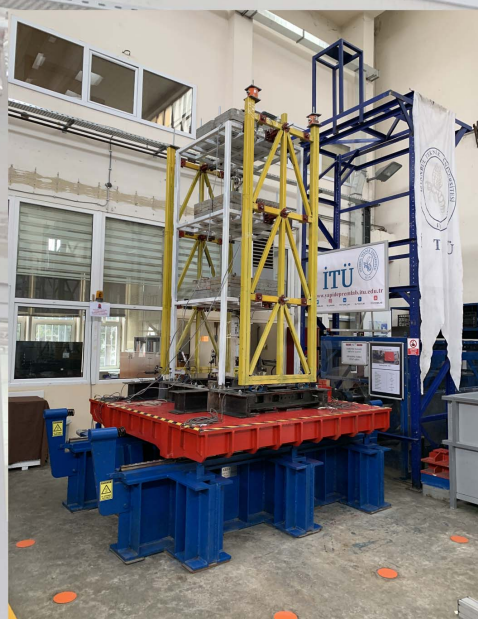




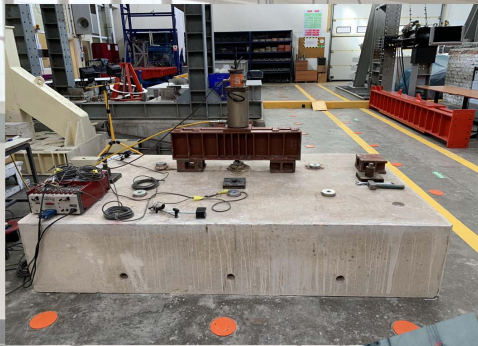














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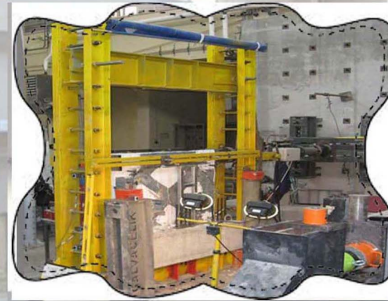




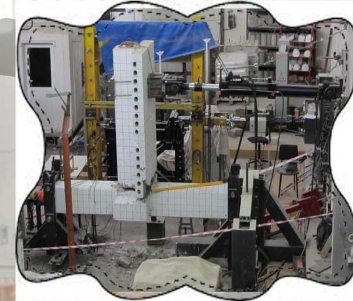
1992-1993



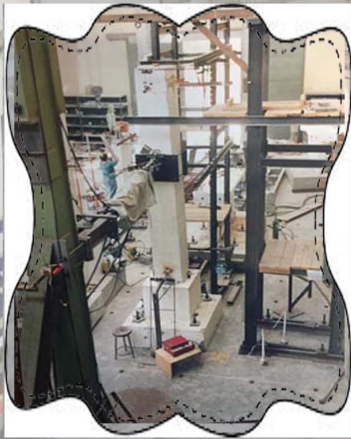
1997



2007



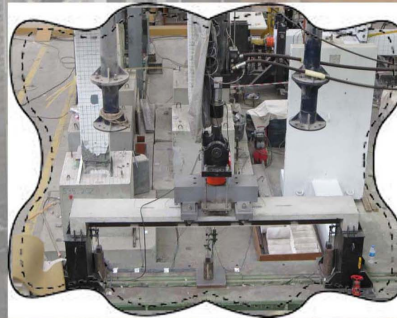
2011



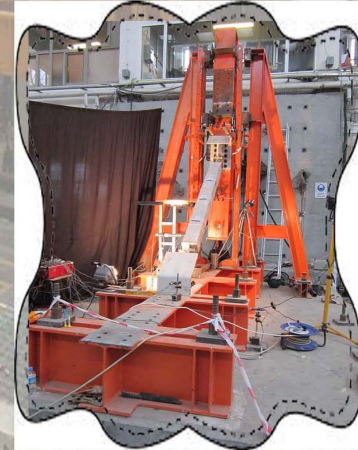
1997



2002

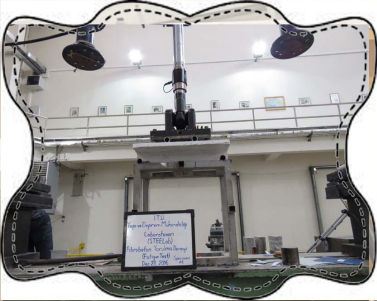


2011



2011

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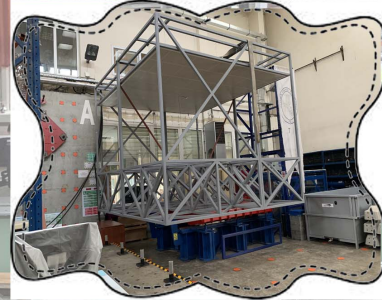
2016



2018



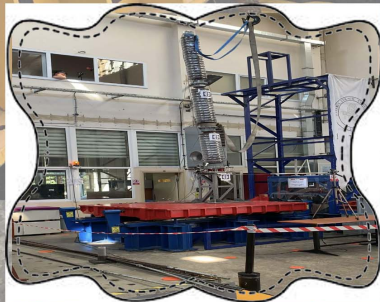
2018



2020



2021



2022



2022



2023

