

Building Future-Ready Digital Platforms

MKK's Transformation Journey for e-GKS

AECSD FORUM

Presentation Session

Nisa GEZER

Merkezi Kayıt Kuruluşu A.Ş.

04.06.2026



**MERKEZİ KAYIT
İSTANBUL**

Central Securities Depository
& Trade Repository of Türkiye



ISO 27001:2013



ISO 20000-1:2018



ISO 22301:2019



ISO 27701:2019



ISO 9001:2015



ISO 15501



Central
Securities
Depository
Platform



R&D
Center



Trade Repository
Platform

Depository Services

Data Services

Corporate
Governance Services

Investor Services

Global Solutions

MKK' S TRANSFORMATION MILESTONES



(01.06.2020)



(29.03.2024)



(22.03.2025)



(31.12.2027)



(31.03.2023)



(19.02.2025)



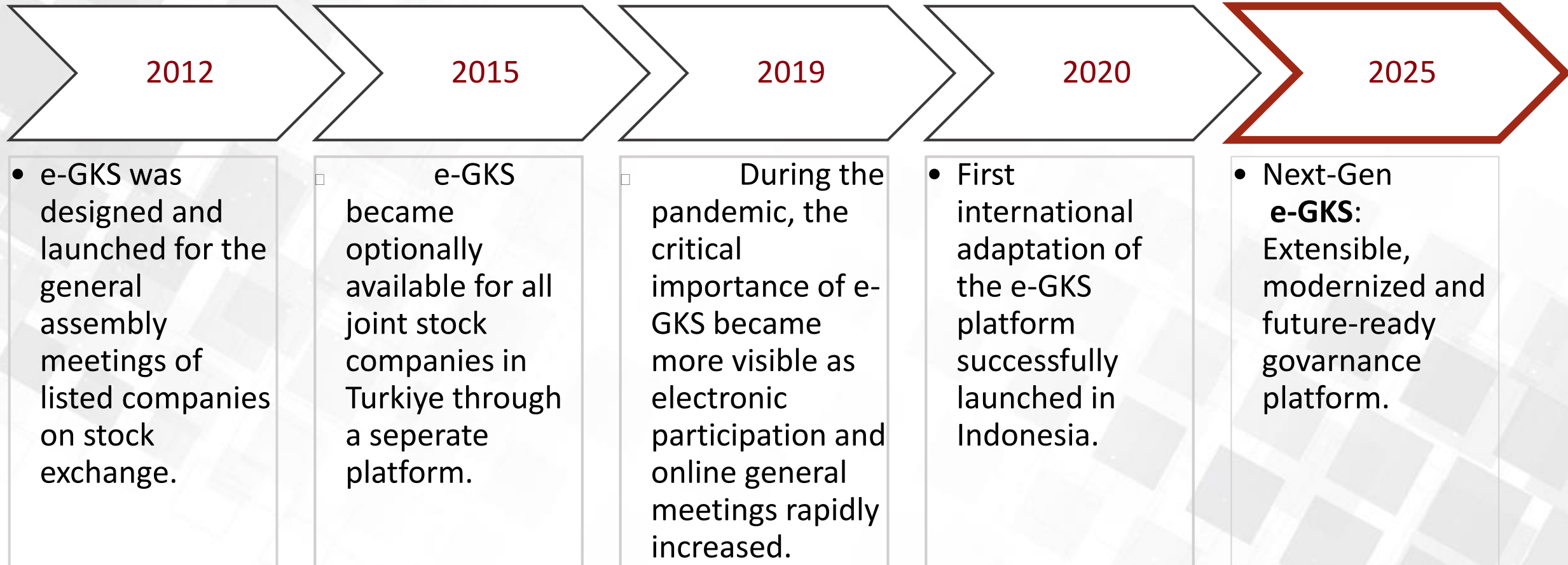
(31.03.2026)
(API Transformation)



(31.12.2027)



► EVOLUTION OF THE E-GKS



► KEY STATISTICS FOR E-GKS / EASY.KSEI

Total General
Meetings

5.613 | 6.472

Total Electronic
Participants

195.760 | 260.613

Highest Number of
General Meetings Held
in a Single Day

33 | 78

Highest Number of
Electronic Participants
in a Single Meeting

862 | 2.492

► DRIVERS BEHIND THE TRANSFORMATION

Integration and Ecosystem Needs

Rapidly evolving ecosystem expectations and increasing third-party integration needs.

Need for faster onboarding of new business models and organization types

Growing demand for API and AI based services

Legacy Architecture Challenges

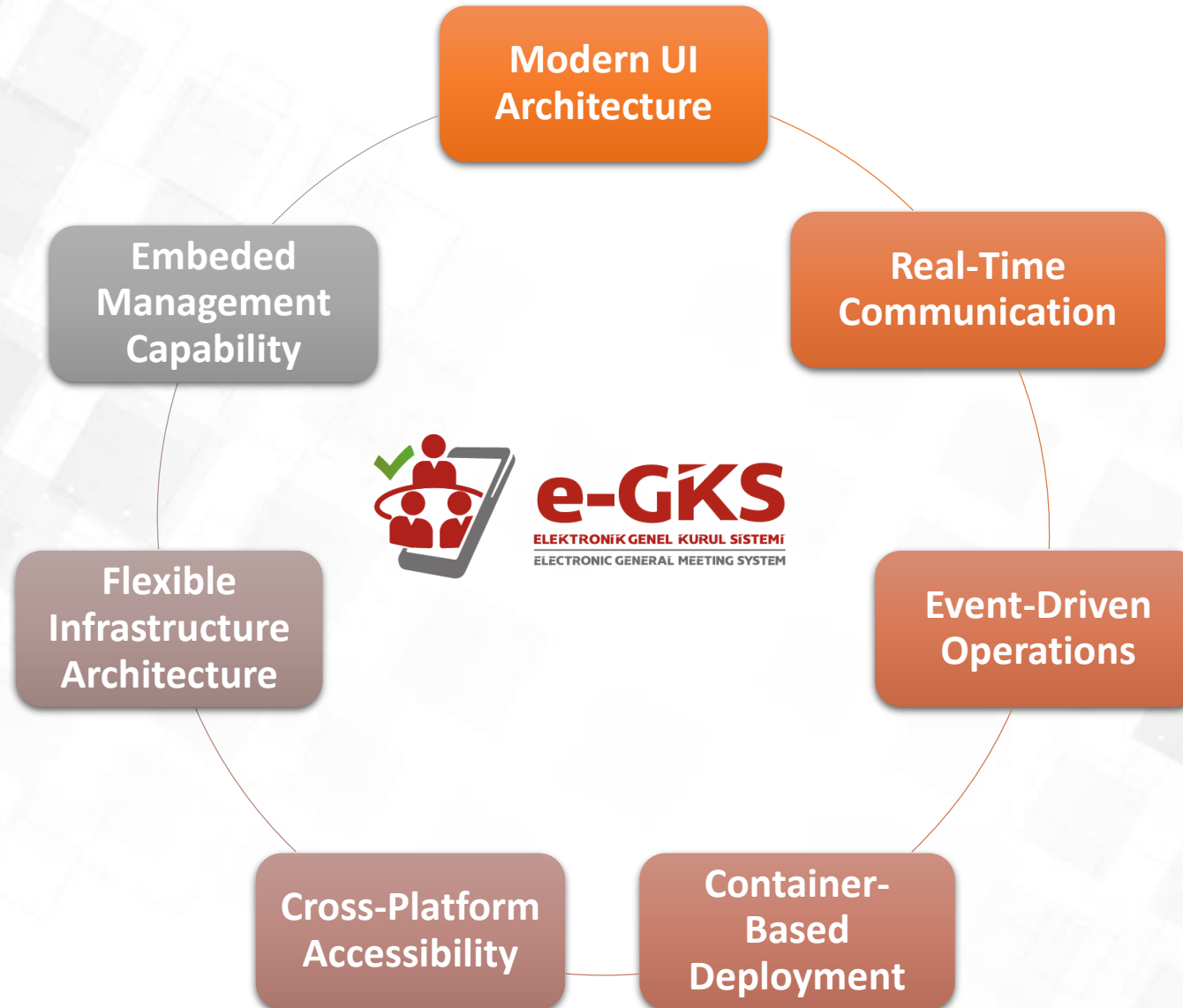
Increasing maintenance complexity caused by outdated and less flexible architecture.

Browser and platform dependencies impacting accessibility and user experience.

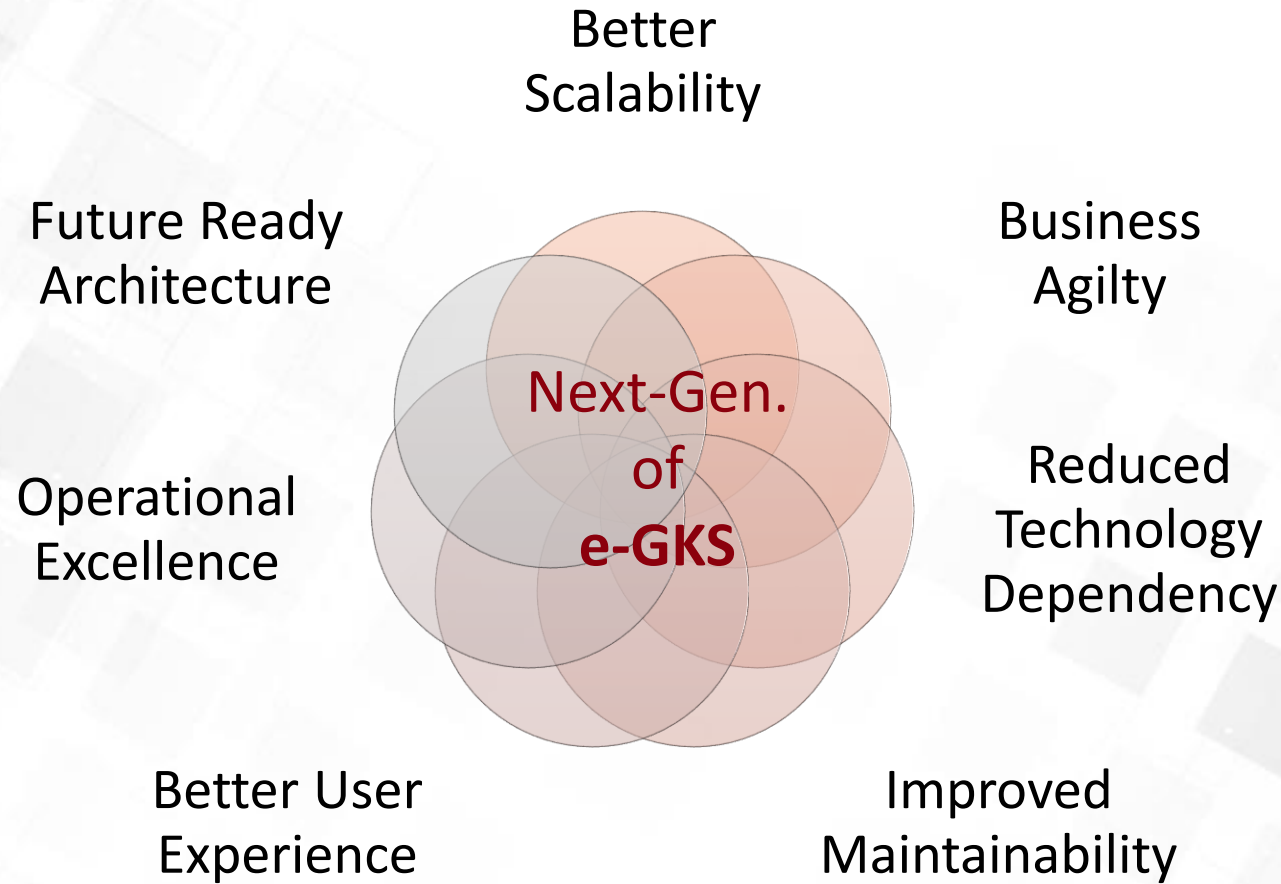
Scalability constraints limiting support for high participation meetings and expanding company types.

Managing separate applications increasing maintenance and operational effort.

► OUR TRANSFORMATION APPROACH



► THE NEXT GENERATION E-GKS



► OPERATIONAL CAPABILITY

Operational
Availability

7x24

Max. User Count for
messaging

80000

Max. Concurrent User

5000

Max. Response Time for
critical API

< 4 seconds

Max. Response Time
for non- critical API

< 8 seconds

Sending votes
(80.000 ea.)

2 minutes

► KEY LESSONS LEARNED



Transformation is a continuous journey, not a final milestone.



Scalability needs to be completely planned and tested early.



Operational continuity must be protected at all costs during migration.



Close collaboration between business and technology teams is essential.

THANK YOU



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[Merkezi Kayıt Kuruluşu A.Ş. \(MKK\)](#)



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kurumsaliletisim@mkk.com.tr



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