

Presented at the FIG Working Week 2024,
19-24 May 2024 in Accra, Ghana

Development of a Cutting-Edge 3D Cadastral Management System

FIG Working Week 2024, Accra, Ghana



Sivan design
www.sivandesign.com

for



Survey of Israel

Yaron FELUS and Shlomi SIVAN, Israel

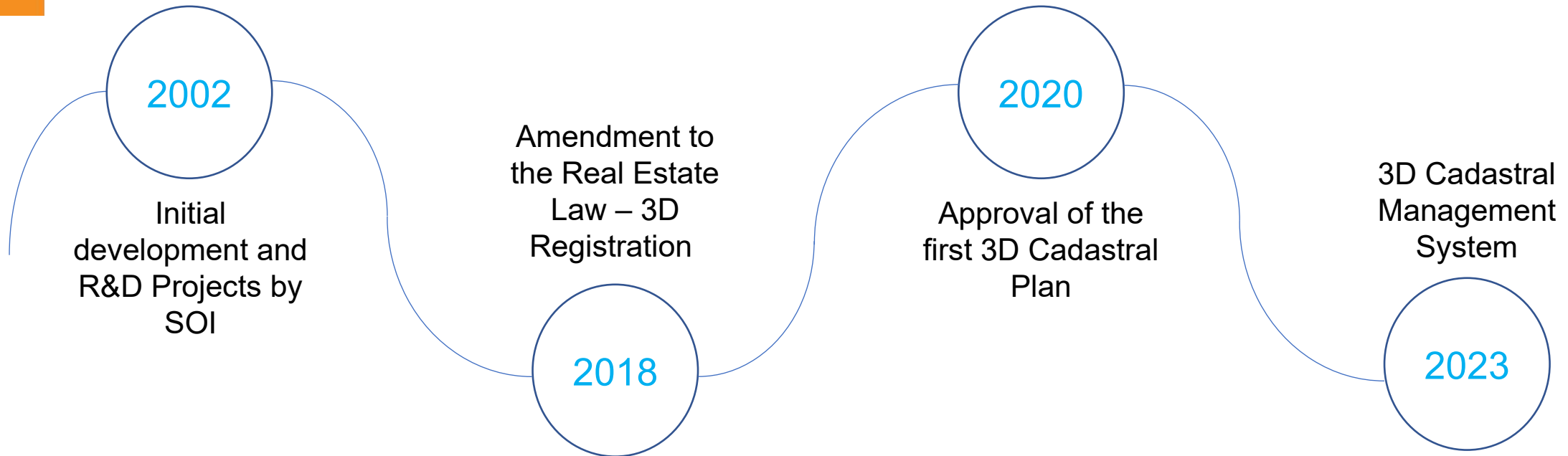
About Sivan Design

Shlomi SIVAN, CEO
Sivan Design D.S Ltd

Yaron FELUS, (Professor) National Statistician
The Bureau of Statistic of the State of Israel

- Sivan Design (www.sivandesign.com), Exist Since 1999.
- Leading provider of CAD and GIS solutions.
- Main products – GeoERP, CivilCAD.

Background

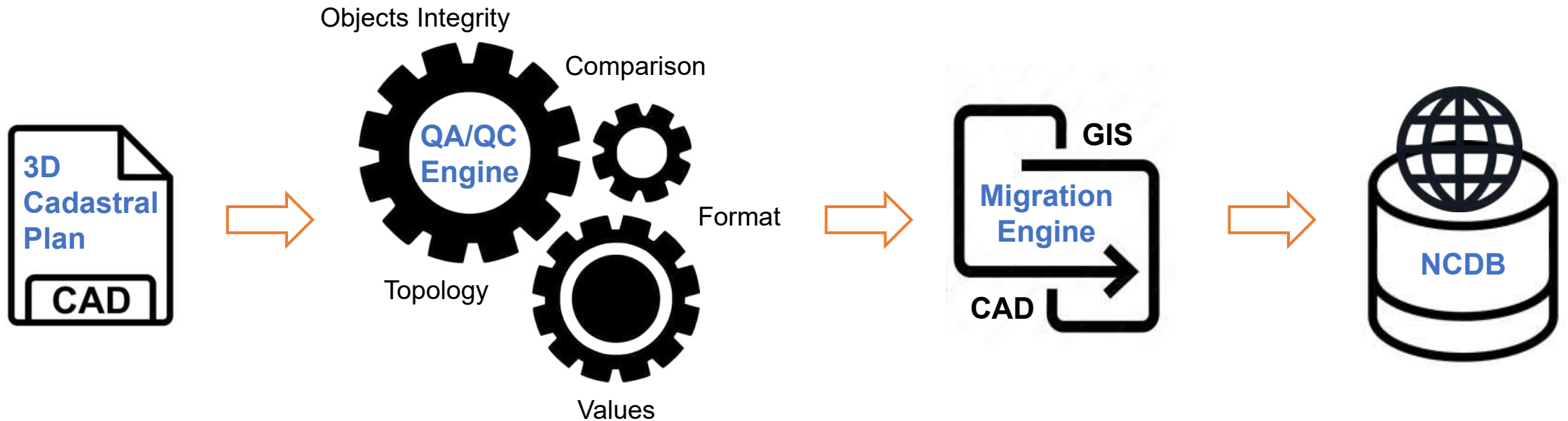


The Need

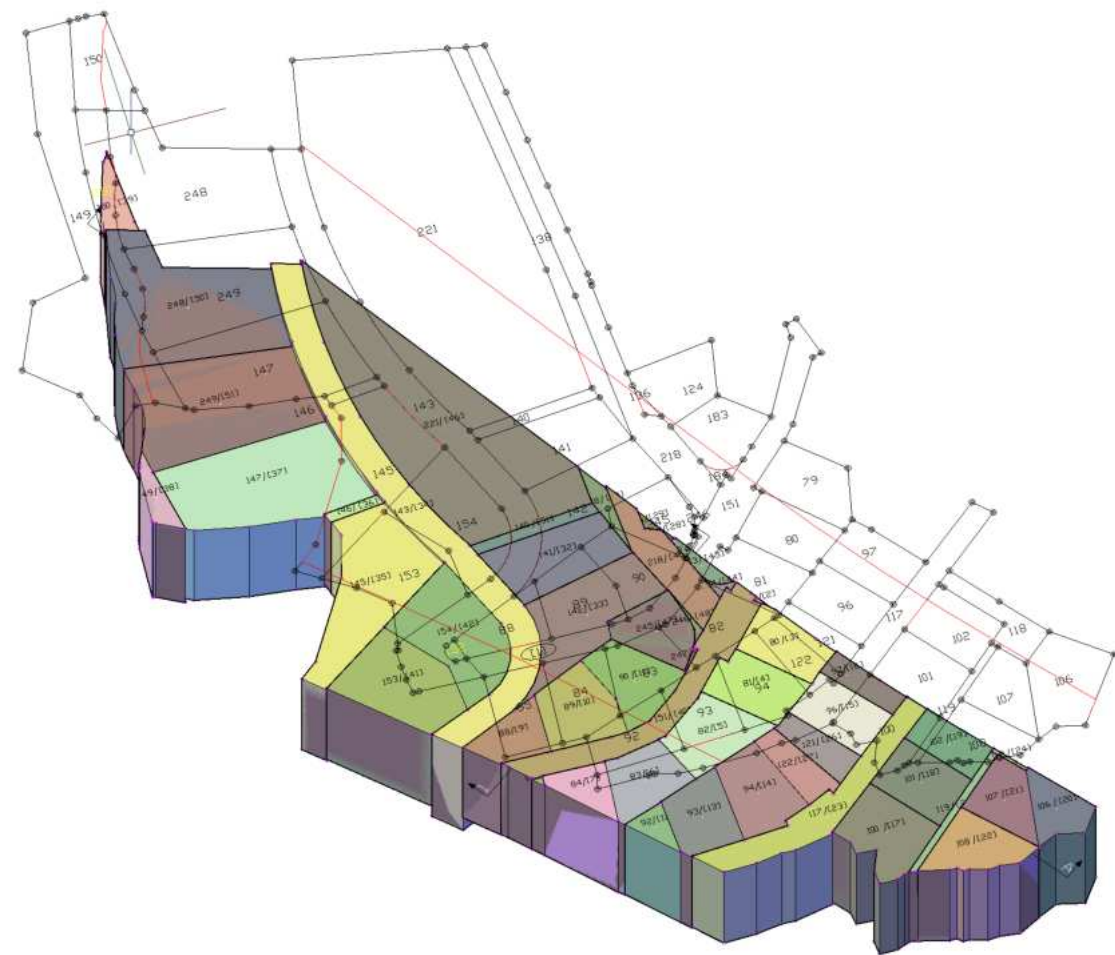
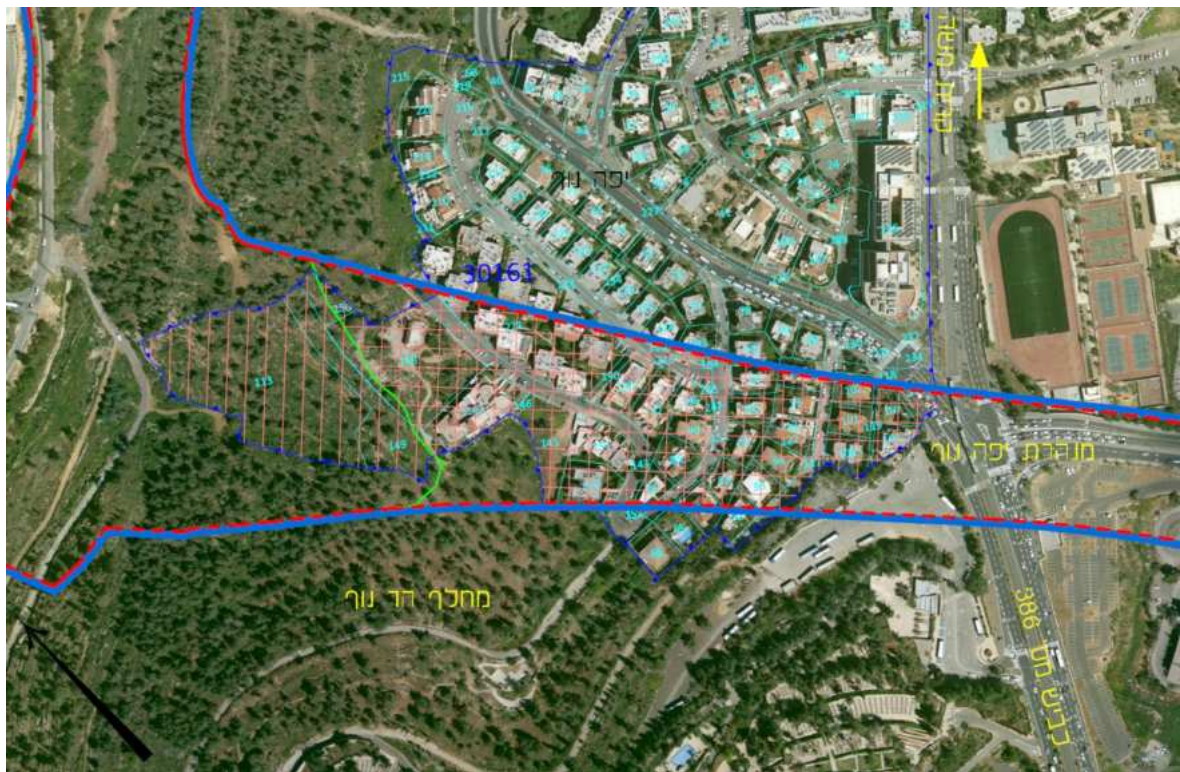
To Efficiently utilize land in a country with a high population density and limited available land for residence

The 3D Cadastral Management System

High Level Structure



3D Cadastral Plan

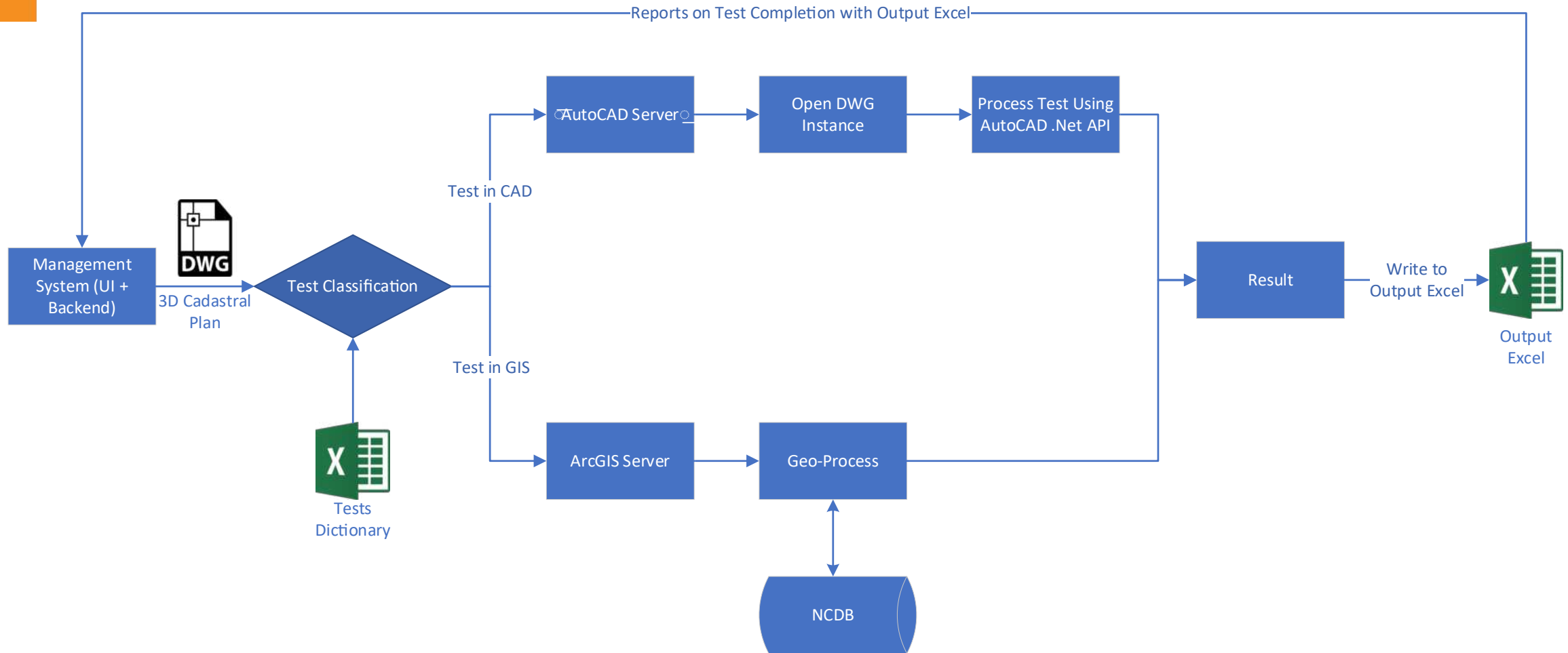


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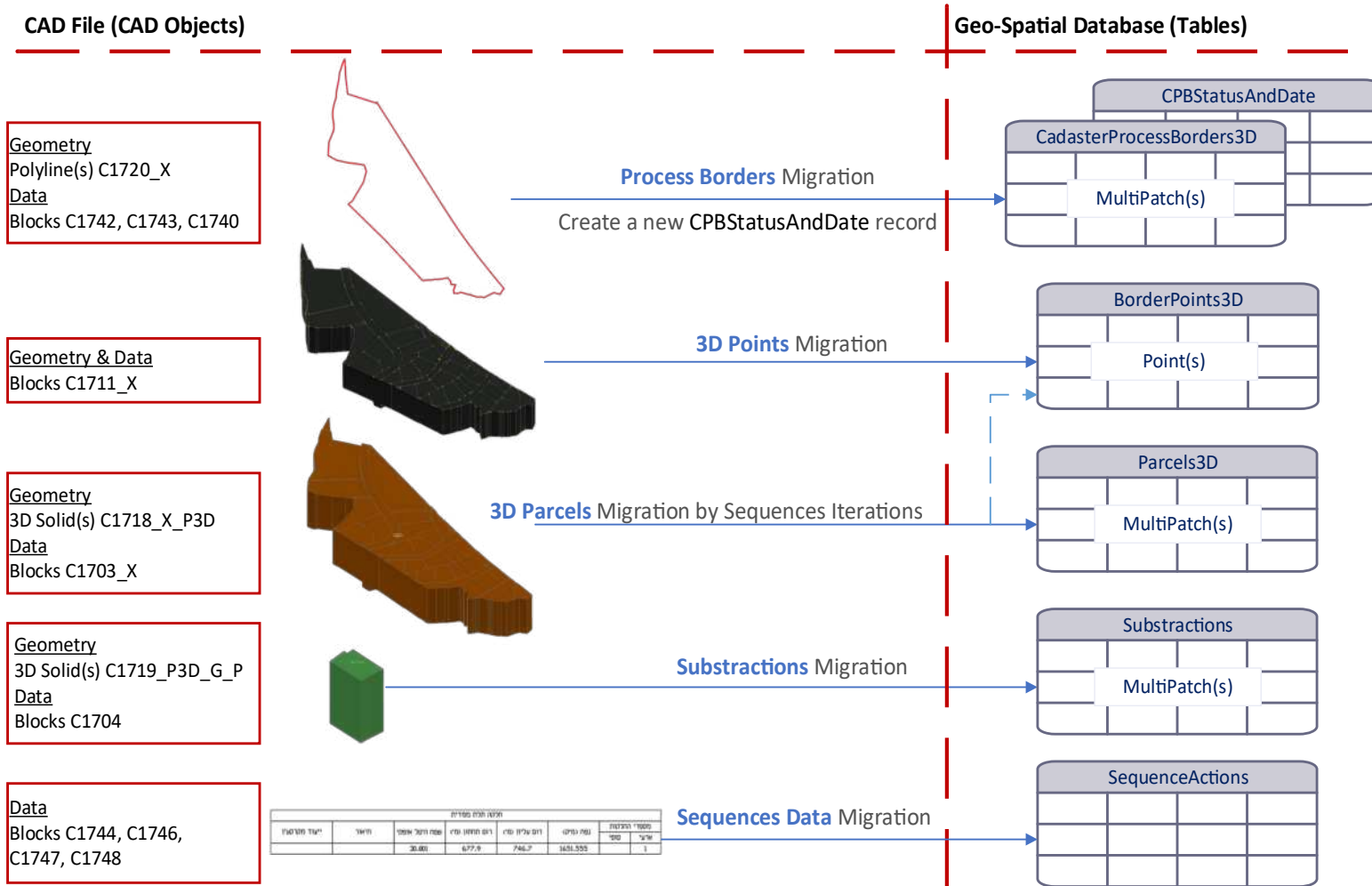
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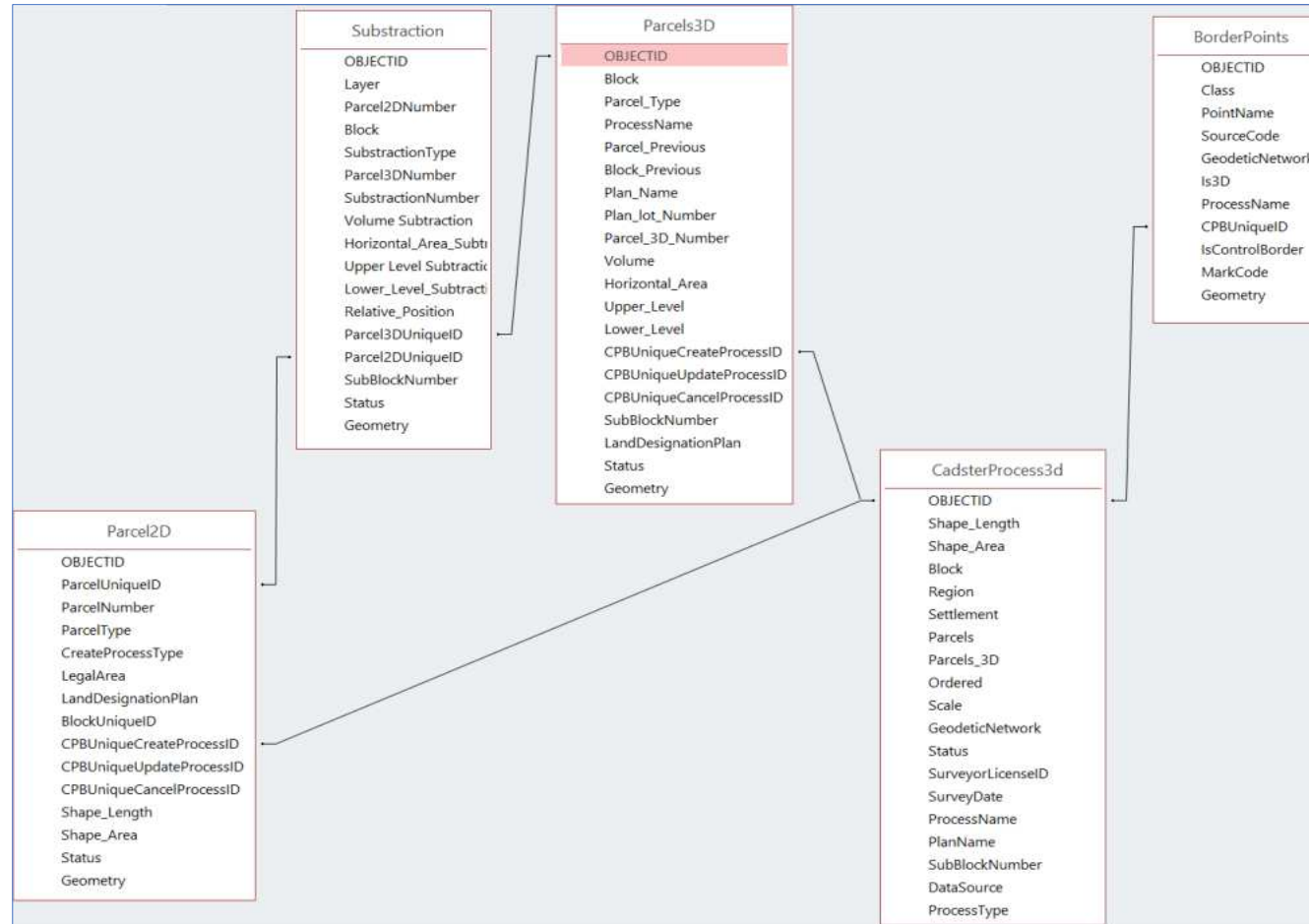
QA/QC Engine



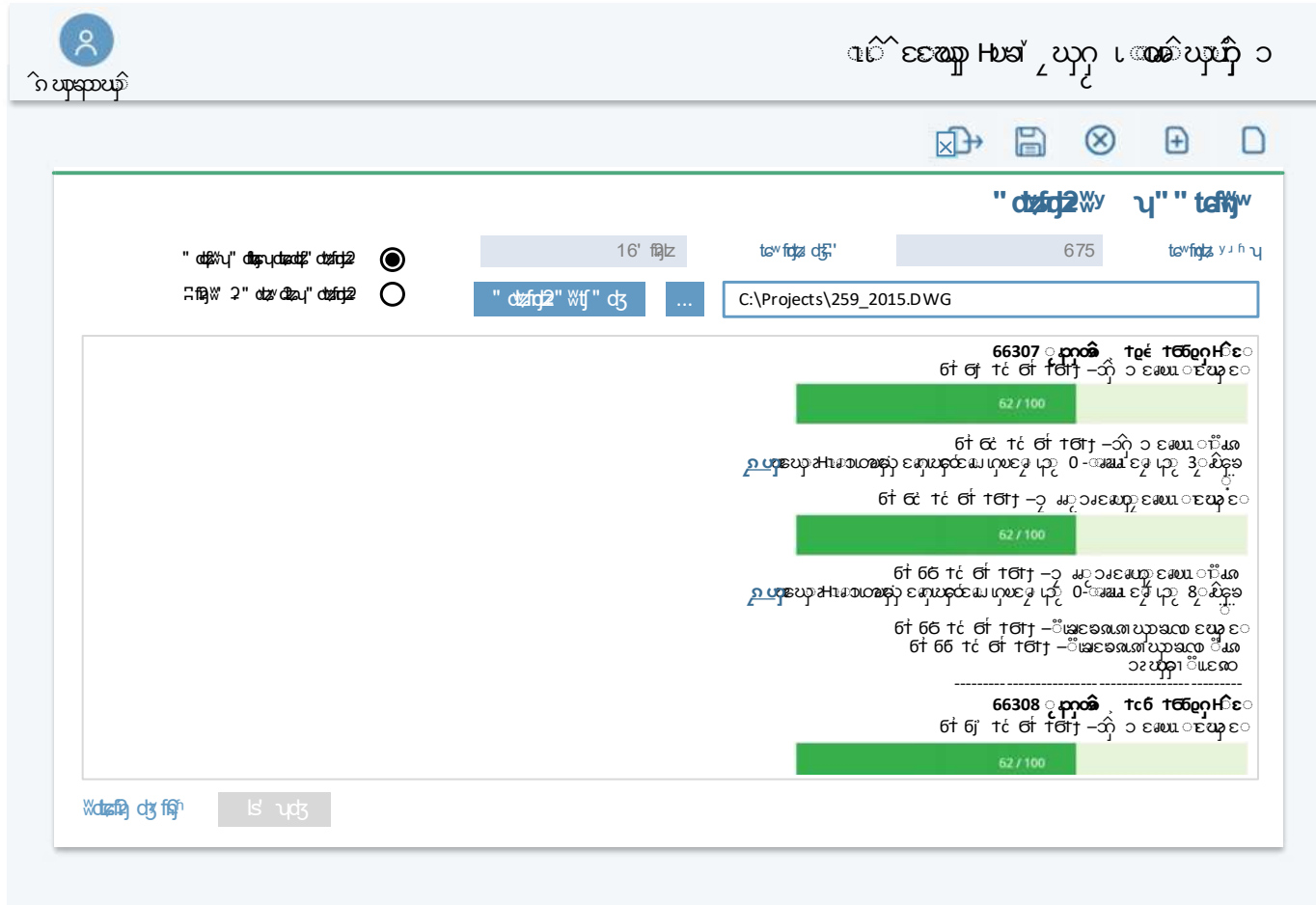
CAD to GIS Migration



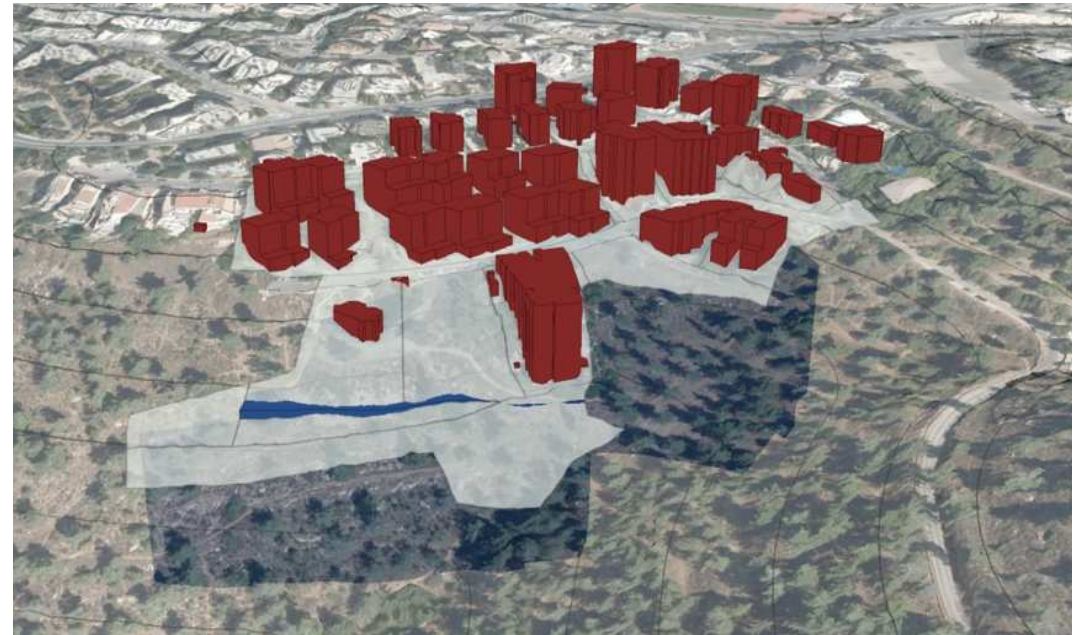
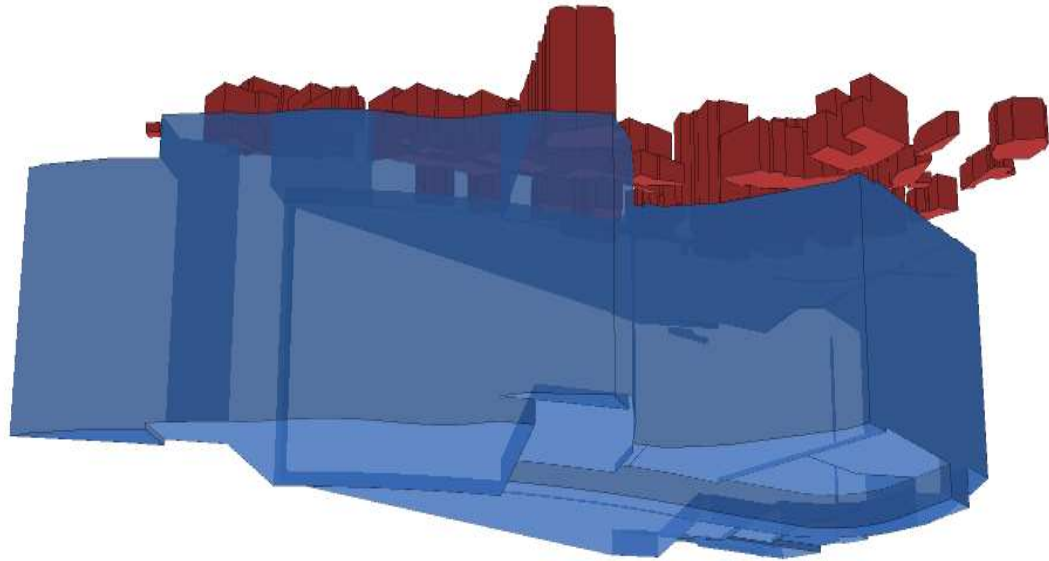
National Cadastral Database (NCDB)



Management System Module



Views in the GIS



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