REPUBLIC OF CROATIA
Ministry of Physical Planning,
Construction and State Assets

Financira
Europska unija
NextGenerationEU

ISPU – Physical Planning Information System

- UPGRADES AND NEWEST FEATURES OF ISPU -

Hrvoje Đumlić

Head of Application Development Service

REPUBLIC OF CROATIA
Ministry of Physical Planning,
Construction and State Assets

30th ECEC GENERAL ASSEMBLY MEETING
Dubrovnik, Croatia
November 6th – 7th, 2026

Europska unija
Zajedno do fondova EU

REPUBLIKA HRVATSKA
Ministarstvo prostornoga uređenja, graditeljstva i državne imovine

EUROPSKI STRUKTURNI I INVESTICIJSKI FONDOVI

Operativni program KONKURENTNOST I KOHEZIJA

www.ecec.net

European Council of Engineers Chambers

ISPU (PPIS) – Physical Planning Information System



Standardization and Transparency

Data Collection and Processing

Application Development

Interoperability

REPUBLIC OF CROATIA
Ministry of Physical Planning, Construction and State Assets

Financira Europska unija
NextGenerationEU

Informacijski sustav prostornog uređenja

ISPU Standards

NIAS - National Identification and Authentication System

eIDAS - electronic Identification, Authentication and Trust Services (for EU market)
[Regulation (EU) No 910/2014]

CDU - Center for Shared Services („government cloud")

GSB - Government Service Bus

PUBLIC INTERFACE (eCitizens)
- electronic submission of applications/requests
- retrieving information about one's case/matter
- public notice boards

PRIVATE INTERFACE (closed)
- procedure management / case handling
- reporting module
- system supervision / system monitoring

Open-source software

BI – Business Intelligence

BPMN – Business Process Model and Notation

ePIC - Information System for Prior Informed Consent
[Regulation (EU) No 649/2012]

ISPU modules/applications



- ISPU Geoportal
- e-Building Permit
- e-Building Permit Archive
- e-Conference
- e-Building Logbook
- e-Construction Investment
  UNDER CONSTRUCTION
- e-Regimes
- ISPU Locator
- e-Energy Certificate
- e-Procedures
- e-Property
- e-Spatial Plans
- e-Spatial Plans Editor
- e-Spatial Plans Catalogue
- Green Infrastructure Register
- Brownfield Areas Register
- e-Spatial Inspection
- e-Satellites
- Internal Property Register
- ISPU web Portal
- Central Metaregister of the Ministry

ISPU Geoportal



Central location for viewing and inspecting all publicly available:

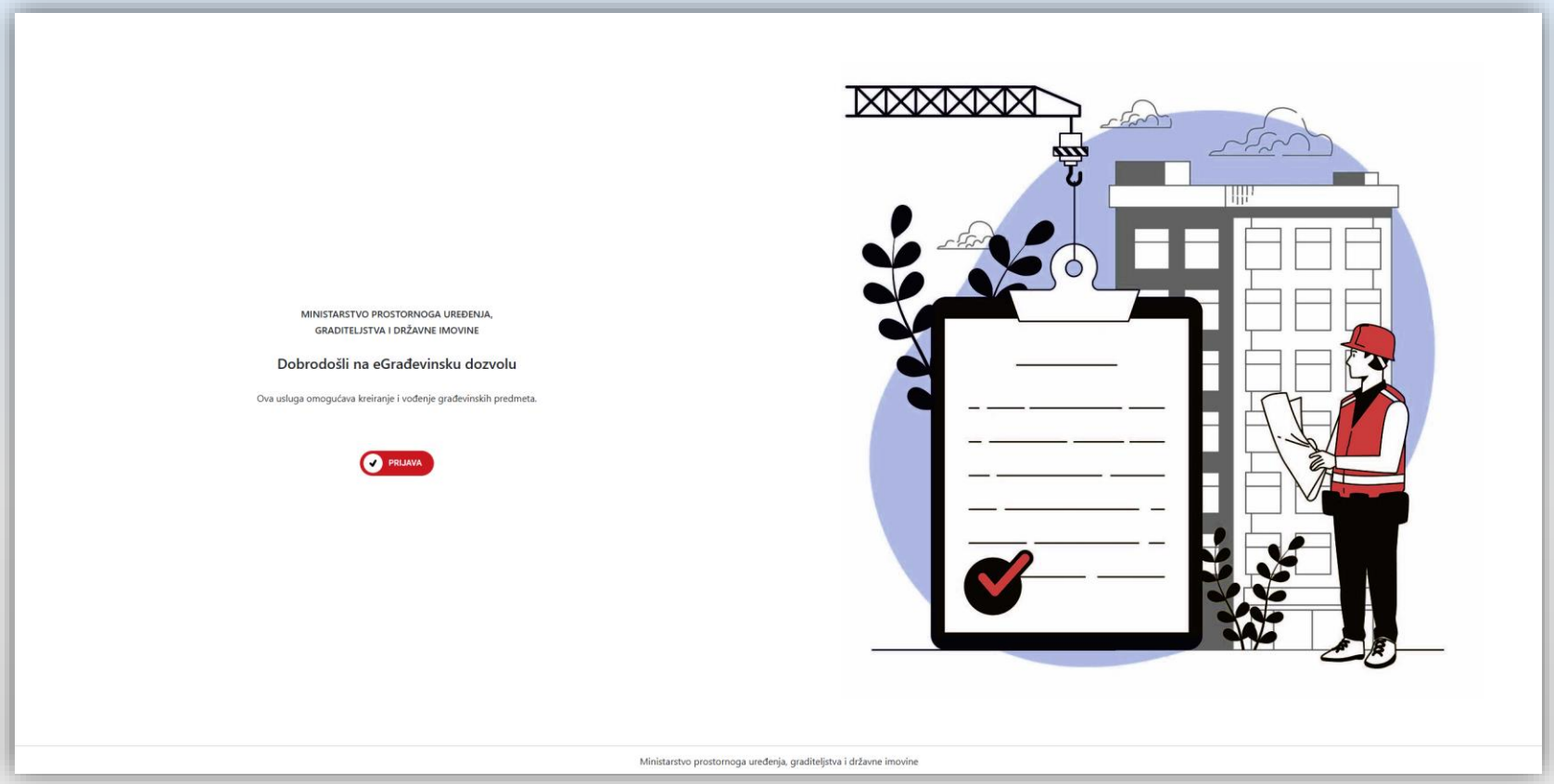
- Building Acts and Permits
- spatial planning and other spatial layers,
- data and information from ISPU modules and other sources
- the point of access to all ISPU e-Services

Contains tools for display management (interactive map), searching, and printing the displayed content

https://ispu.mgipu.hr/

European Council of Engineers Chambers

e-Building Permit



Enables the electronic submission of applications for issuing building permits and all other procedures related to the Construction Act and the Physical Planning Act.

Enables retrieving information about one's case/matter, as well as tracking the status of the case.

https://edozvola.gov.hr/

Operational since 2015., in 2019. it was upgraded with the **e-Building Permit Archive** and **e-Conference** submodules, a major system upgrade in 2026. with complete redesign.

European Council of Engineers Chambers

e-Building Permit – development process (2014. – 2026.)

THE BEGINNING
A 'workflow' system for issuing permits and other administrative acts, while the acts themselves are issued in analogue form

UPGRADES AND ENHANCEMENTS
System upgrades and improvements;
Most of administrative authorities responsible for issuing permits start to operate within the system

CURRENT STATE
All administrative authorities responsible for issuing permits are operating within the system.
Complete system redesign (2026.)

2014.
The ePermit is introduced in the Ministry and in five counties on 1st June 2014.

2015.
- The majority of permit-issuing offices in Croatia start using the system.
- The system is upgraded with an office management module.

2019.
- Legal amendments and introduction of electronic procedures.
- eConference
- e-Citizens system

2022.
- Service integration with the internal digital systems of administrative departments.
- Migration of the system to the 'government cloud'

2023.
- Start of the official use of the eConstruction Logbook and mutual integration.
- Government Service Bus integration
- Complete system redesign

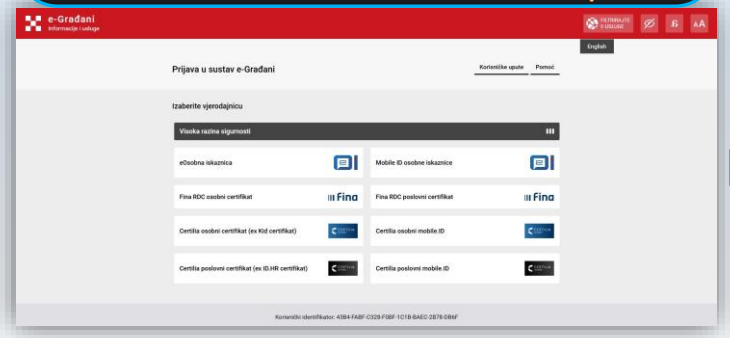
2026.

European Council of Engineers Chambers

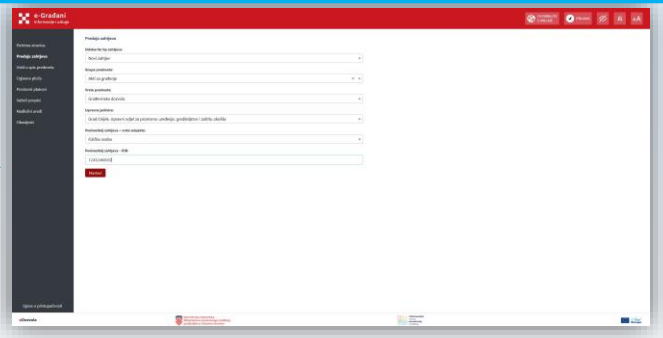
www.ecec.net

e-Building Permit - Submission of the application

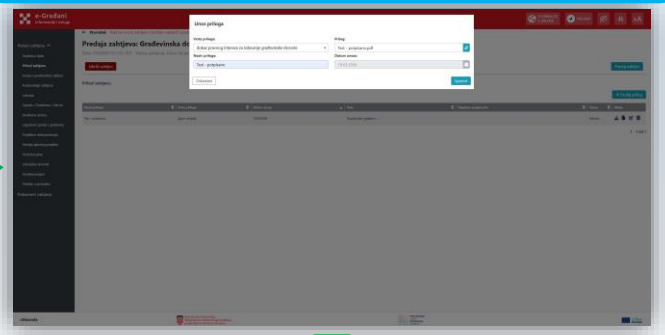
Authentication via the National Identification and Authentication System



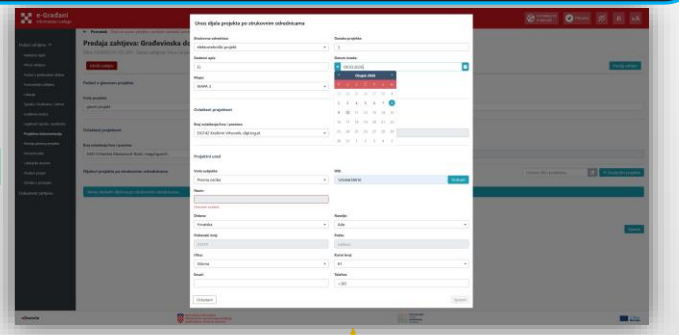
Selecting the type of request to be submitted



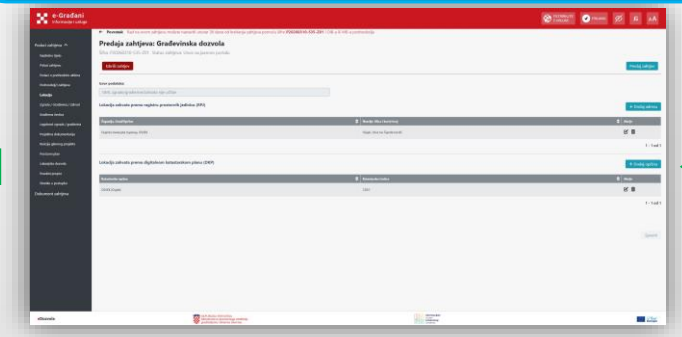
Upload of required and optional documents



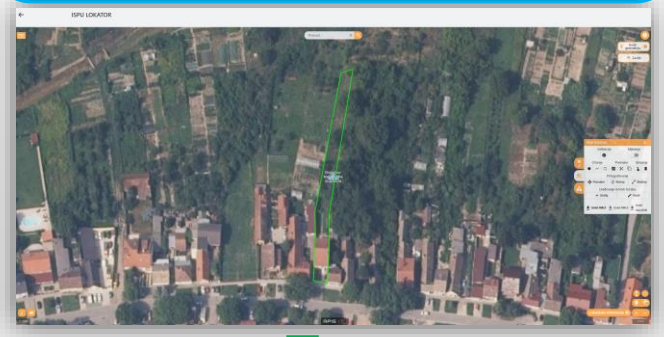
Upload of digitally signed project documents



Entering the project location based on official data from the State Geodetic Administration



Entering the georeferenced location on the map in the official coordinate system



...entry of other required data and documents

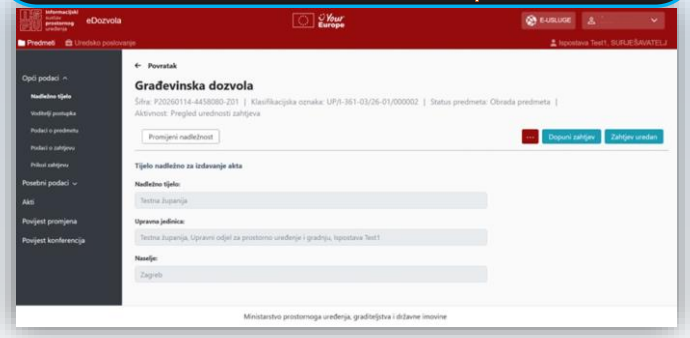
Administrative review and procedure

www.ecec.net

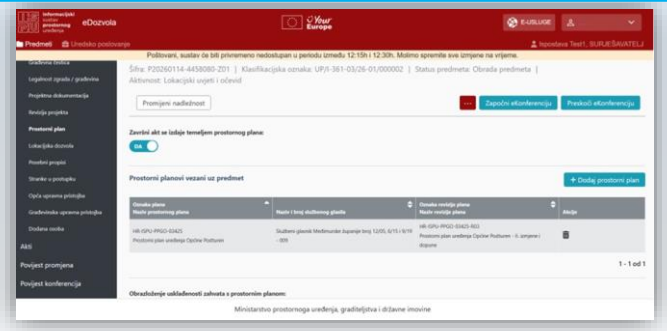
European Council of Engineers Chambers

e-Building Permit - Permit issuance procedure

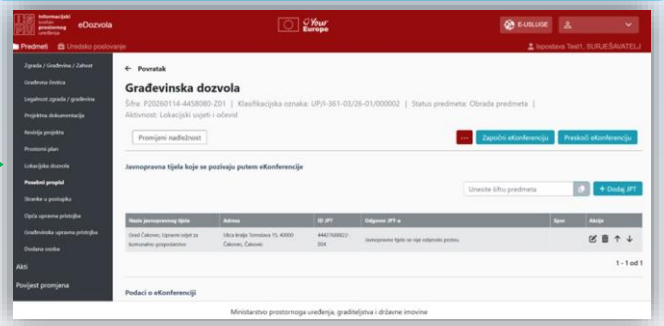
Verification that all required documentation has been provided



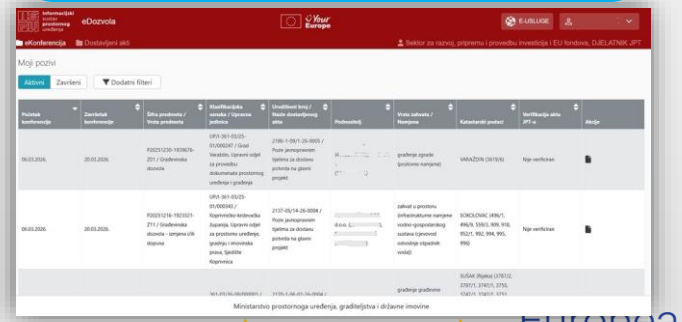
Verification of compliance with the spatial plan



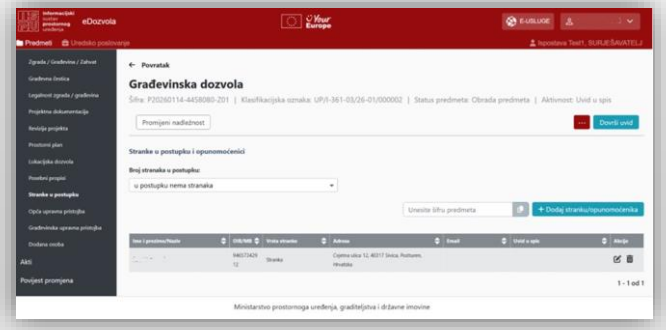
Requesting public authorities to provide approvals for the main design project



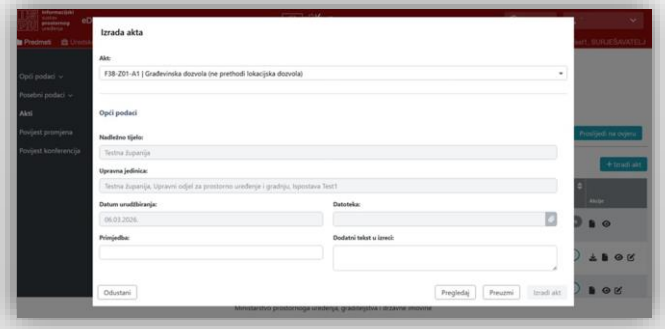
Public authorities issue confirmations for the main design project



Notice to the interested parties to review the case file



Granting of the building permit.



www.ecec.net

European Council of Engineers Chambers

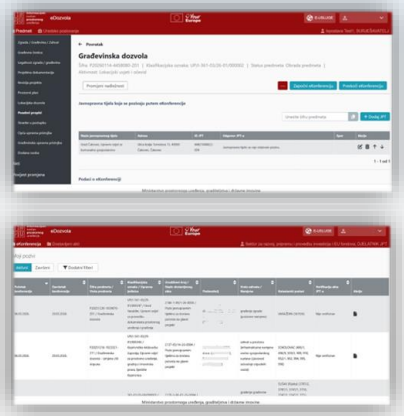
e-Building Permit -Building permit as a digital document

Permit application

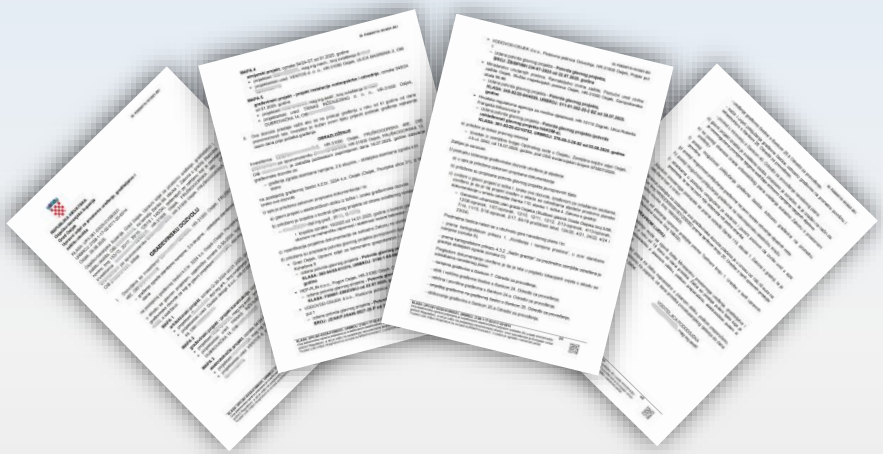


Submission of the prescribed project documentation, digitally signed, depending on the complexity and requirements of the building for which the building permit is requested.

Public authorities issue confirmations for the main design project



Issuance of the building permit



- Digitally signed document
- A notification is sent to the applicant
- Download directly within the application
- Delivered to the applicant's Personal user mailbox (e-Citizens system)

e-Building Logbook

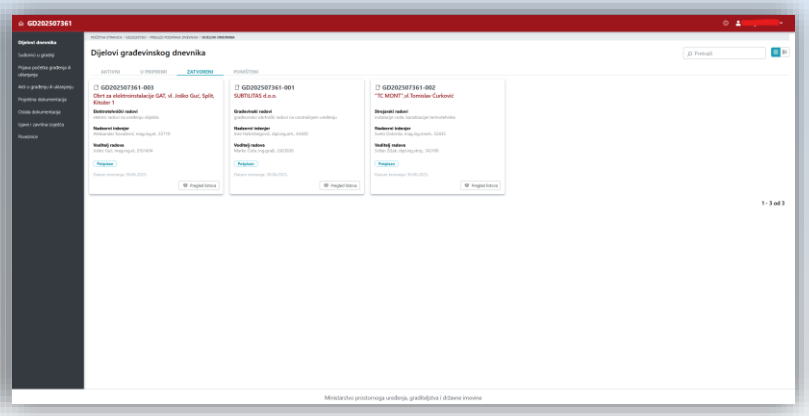
eGrađevinski dnevnik

www.ecec.net

European Council of Engineers Chambers

e-Building Logbook





https://egd.mpgi.hr/

Authorized users:

- Participants in construction (Investors, Works Managers, Site Engineers, Supervising Engineers, etc.)
- County and city administrative departments responsible for issuing building permits
- Ministry of Physical Planning, Construction and State Assets
- Tax Administration, etc.

Digital management of the construction process („digital construction site")

From the *Notification of the commencement of construction* until the technical inspection of the completed structure, or the issuance of the *Use Permit*

Stores all legally prescribed documentation and documentation generated during construction

Operational since January 1, 2022.
Mandatory application in force since:
January 1, 2023.

e-Building Logbook
eGrađevinski dnevnik

e-Building Permit
eDozvola

European Council of Engineers Chambers

www.ecec.net

e-Building Permit and e-Building Logbook through numbers and statistics

e-Building Permit

eDozvola

- Over **1,500** unique logins **per day** to the e-Building Permit application
- Over **1,5 mil.** received applications/cases from 2015. until 2025.
- **1,4 mil.** resolved applications/cases from 2015. until 2025.
- Over **220,000** received applications/cases in 2025. alone
- Over **140,000** received applications/cases in 2026. to date
- Over **2,6 mil.** digitally signed documents

e-Building Logbook

eGrađevinski dnevnik

- Over **41,000** currently active digital building logbooks
- Over **6,000** closed digital building logbooks
- Over **12,000** digital building logbooks opened in 2026.
- Over **500,000** authorized participants in construction recorded across all building logbooks
- Number of active digital building logbooks per 10,000 inhabitants in the Republic of Croatia is approx. **107 logbooks** per **10,000 inhabitants**

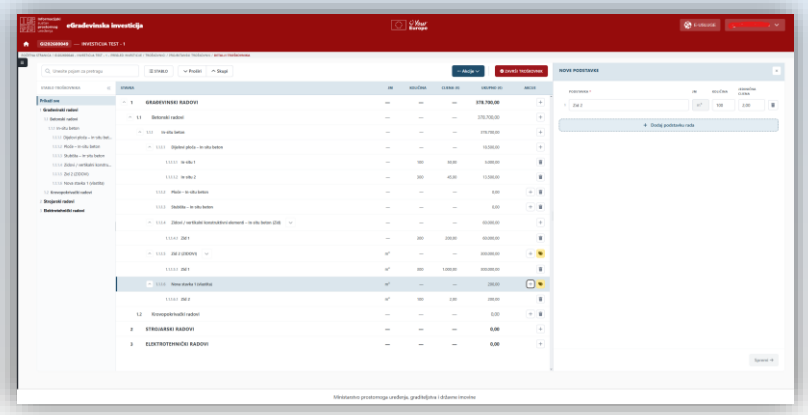
ecec European Council of Engineers Chambers

www.ecec.net

e-Construction Investment

UNDER CONSTRUCTION





Expected goals of development:

- central point for the creation and management of detailed Cost estimates (Bills of Quantities)
- preparation of public procurement procedures
- creation and management of the digital construction log

Standardization, categorization, and classification of groups, types, and items of works and units of measure for widespread use in creation and management of detailed Cost estimates (Bills of Quantities)

Standardization and digitalization of procedures that are currently daily managed within the material on-site construction log

Standardized management of the financial part of a construction investment, from concept to realization, and monitoring throughout its life cycle.

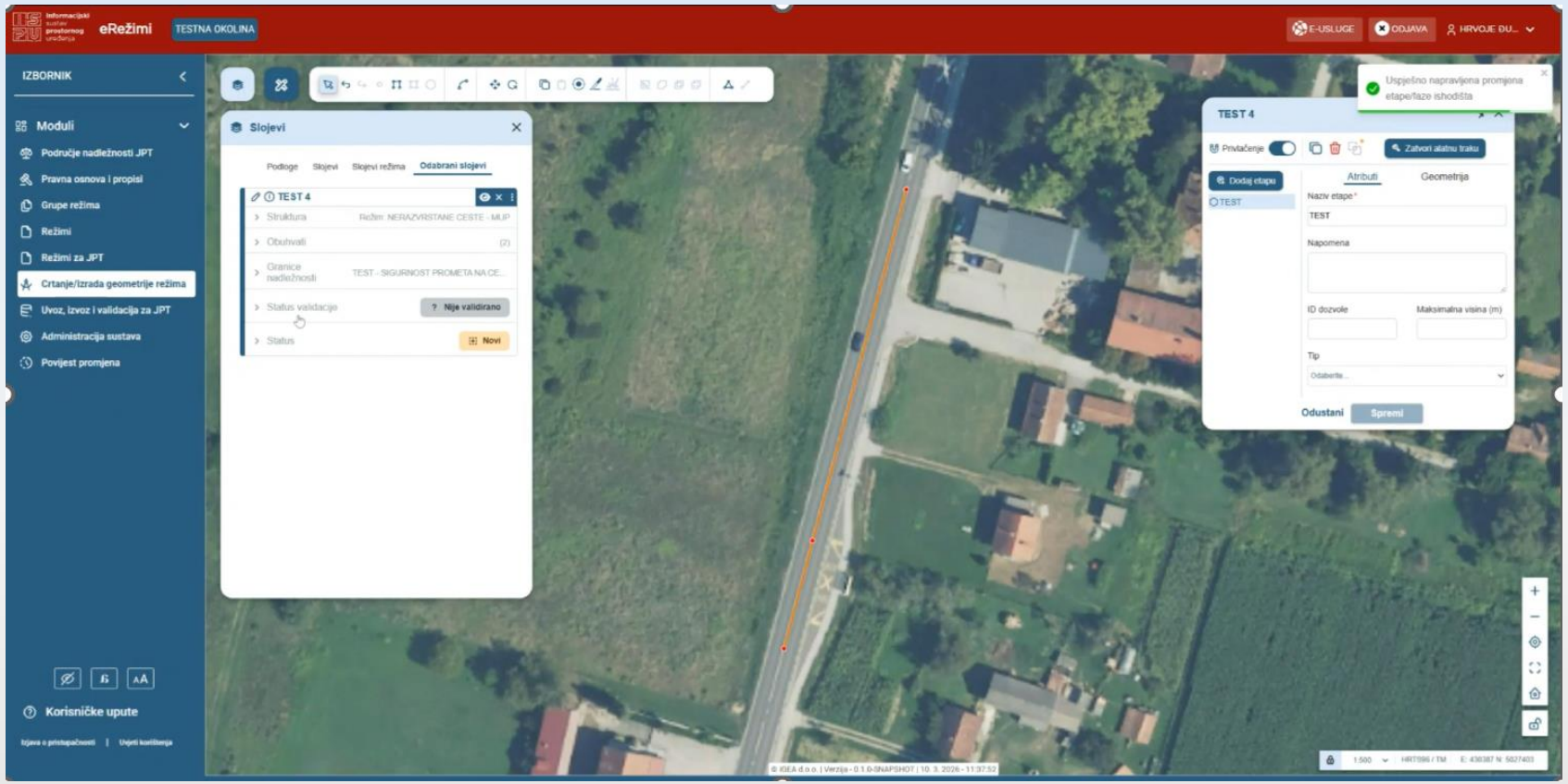
e-Construction Investment
eGrađevinska investicija

e-Building Logbook
eGrađevinski dnevnik

www.ecec.net

European Council of Engineers Chambers

e-Regimes



Expected goals of development:

- conceived as a single point of access to data from public authorities
- creation and management of the standardized digital spatial and building restrictions:
  - ❑ **special building requirements**
  - ❑ **utility connection conditions**
  - ❑ **requirements in the process of developing spatial plans**

e-Regimes
eRežimi

e-Building Permit
eDozvola

New e-Service of ISPU under optimization

www.ecec.net

European Council of Engineers Chambers

Featured projects within the scope of ISPU development

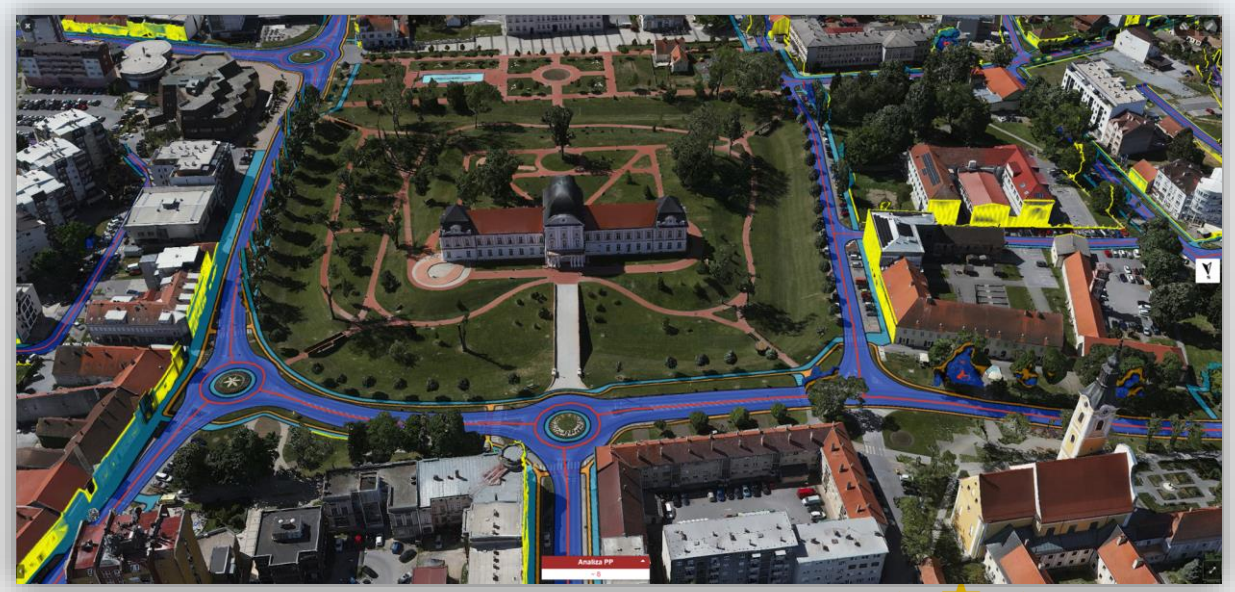
Collection, processing, and production of base maps by remote sensing, including the collection and processing of spatial data for the needs of ISPU

Spatial data collection in the designated areas (construction areas, national parks, coastal areas, islands) by remote sensing using unmanned aerial vehicles (UAVs)/drones

Processing of collected imagery and the production of defined products:

- Digital Orthophoto (5 cm/ px)
- Digital Elevation Model
- Digital Surface Model
- 3D building models
- Vectorization of roads, traffic surfaces, coastlines, etc.

A total area of 10,000 km² surveyed and defined products produced.



European Council of Engineers Chambers

www.ecec.net

e-Satellites – Catalogue of Base Maps















Informacijski sustav prostornog uređenja

www.ecec.net

European Council of Engineers Chambers

e-Satellites – Catalogue of Base Maps



Textured 3D Model



European Council of Engineers Chambers

www.ecec.net

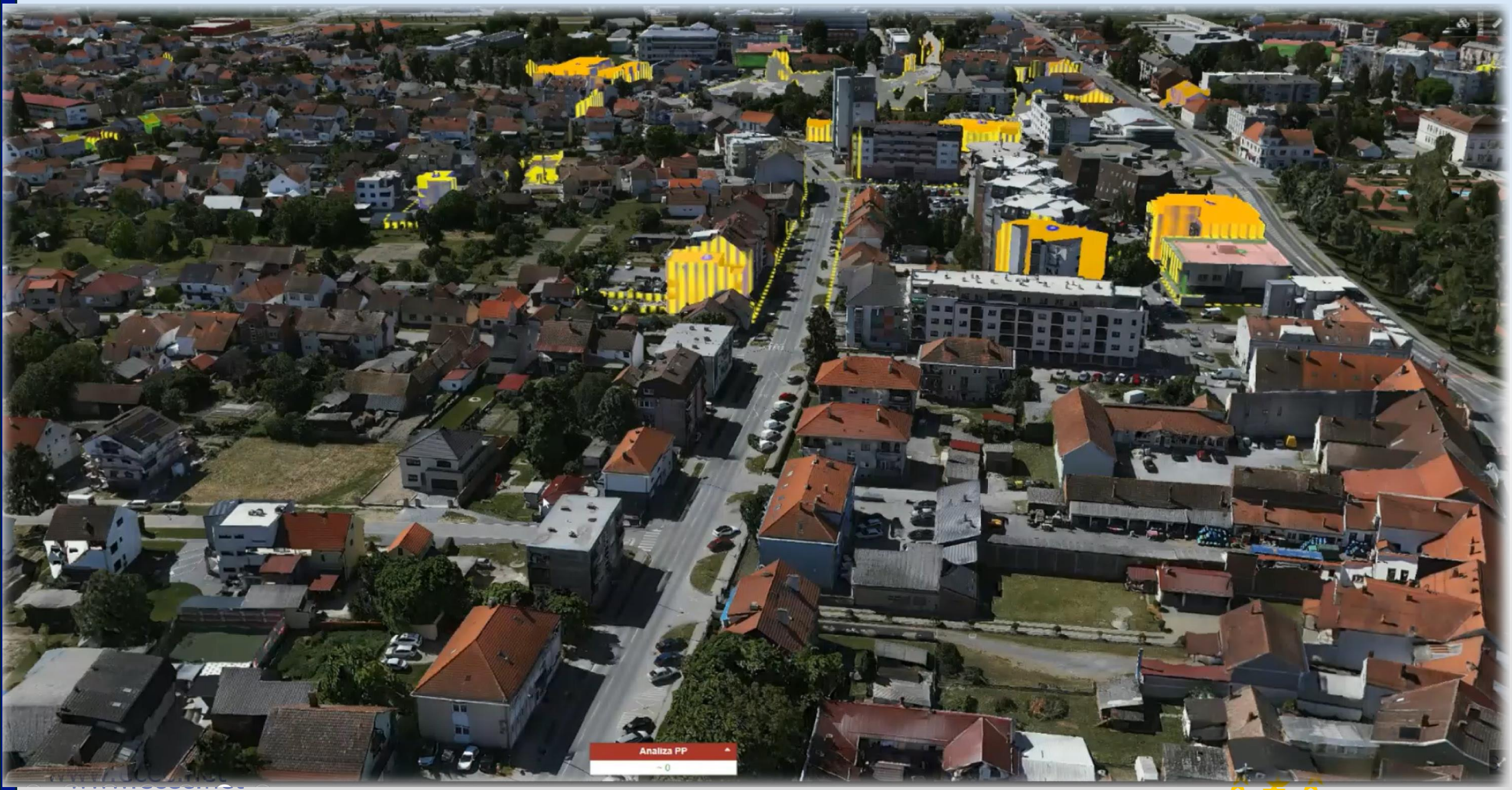
e-Satellites – Catalogue of Base Maps



ww

ropean
uncil of
gineers
ambers




Analiza PP
~ 0

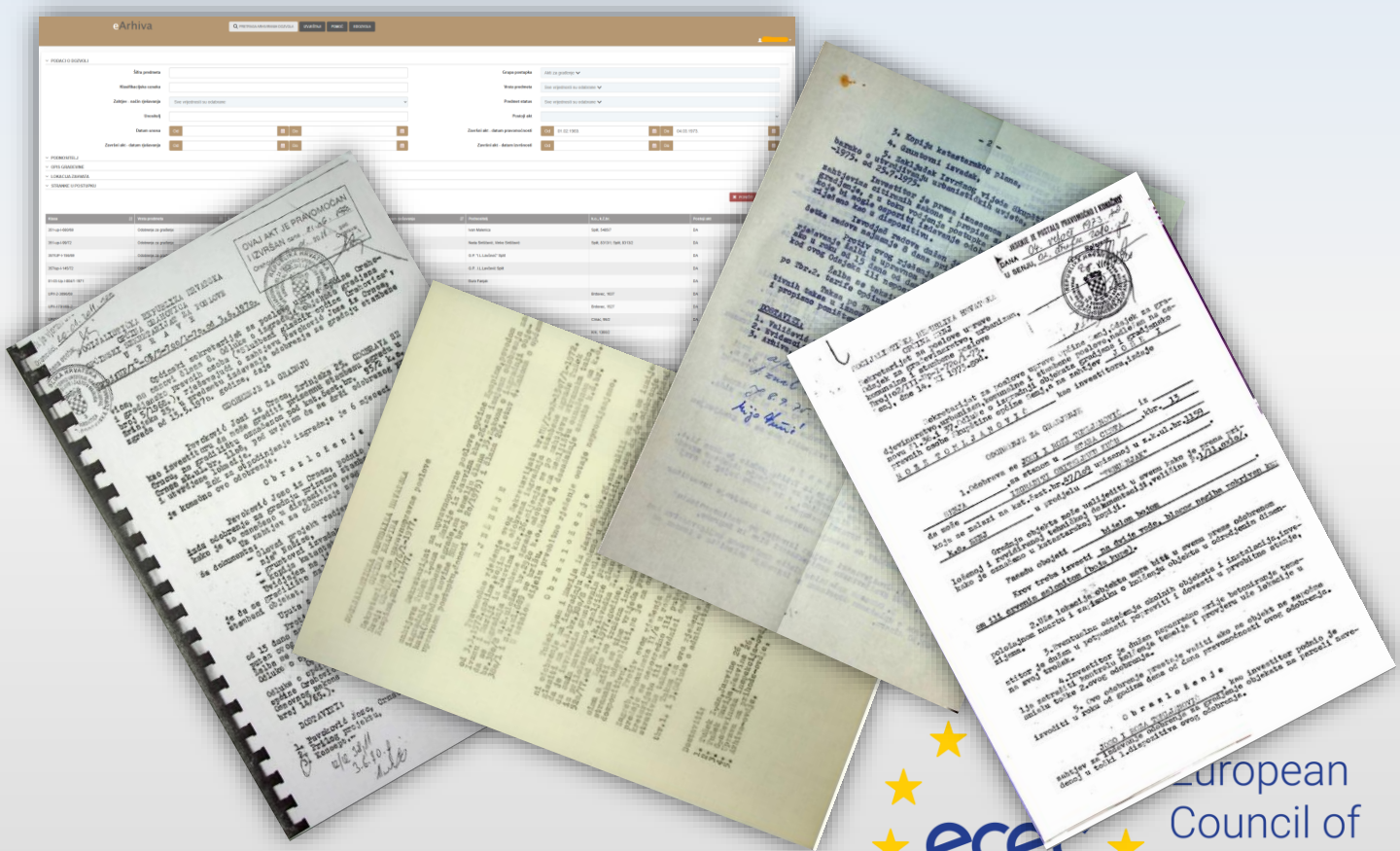
Featured projects within the scope of ISPU development

Digitalization of existing building permits/acts across the entire Republic of Croatia from 1968–2015

Scanning and data acquisition from all building permits/acts across the entire Republic of Croatia in the period from 1968. to 2015.

Approximately 2,200,000 documents, or about 6,000,000 A4-format pages, have been scanned and georeferenced across the entire Republic of Croatia.

Documents permanently preserved in digital form and stored in the e-Building Permit Archive module



European Council of Engineers Chambers

www.ecec.net

ISPU through numbers and statistics

Over **50,000** professional users work **daily** in the ISPU applications

Over **300,000** valid energy performance certificates are recorded in the **e-Energy Certificate** module.

Over **2,5 million** real estate sales contracts are recorded in the **e-Property** module

Over **6,500** spatial plans of all levels in the **e-Spatial Plans Catalogue** module

Over **110 million** unique views **monthly** on the ISPU Geoportal

ecec
European Council of Engineers Chambers

REPUBLIC OF CROATIA
Ministry of Physical Planning,
Construction and State Assets

Financira
Europska unija
NextGenerationEU

ISPU – Physical Planning Information System

- UPGRADES AND NEWEST FEATURES OF ISPU -

Thank you for your time and attention!

Hrvoje Đumlić

Head of Application Development Service

E-mail: hrvoje.dumlic@mpgi.hr

REPUBLIC OF CROATIA
Ministry of Physical Planning,
Construction and State Assets

30th ECEC GENERAL ASSEMBLY MEETING
Dubrovnik, Croatia
November 6th – 7th, 2026

Europska unija
Zajedno do fondova EU

REPUBLIKA HRVATSKA
Ministarstvo prostornoga uređenja, graditeljstva i državne imovine

EUROPSKI STRUKTURNI I INVESTICIJSKI FONDOVI

Operativni program KONKURENTNOST I KOHEZIJA

www.ecec.net

European Council of Engineers Chambers