DALEKOVOD

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CONNECTING WORLDS, BUILDING THE FUTURE

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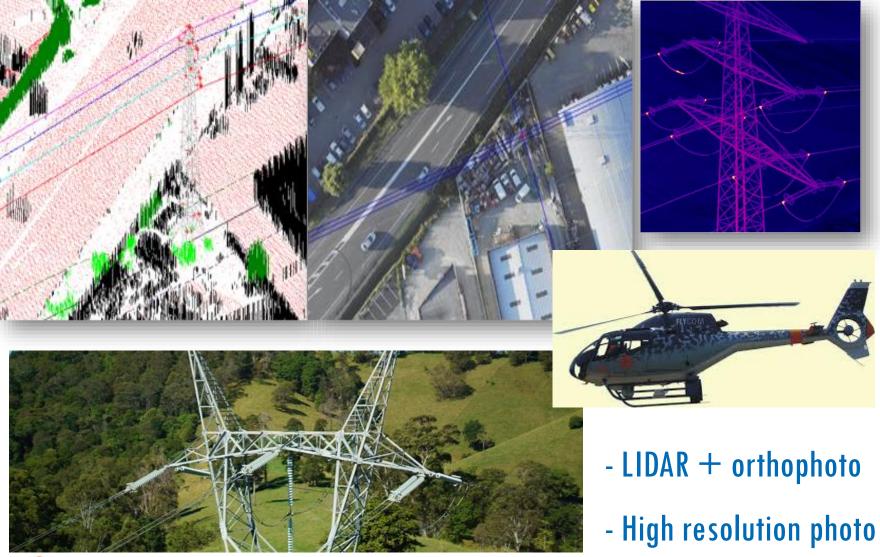


△ → **13 YEARS OF NORDIC PRESENCE**



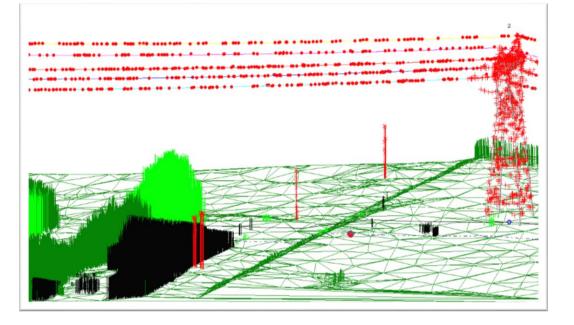


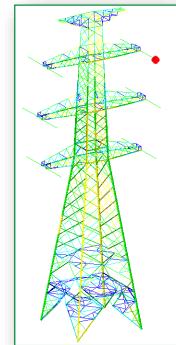
DIGITALIZING POWER LINES AND SUBSTATIONS

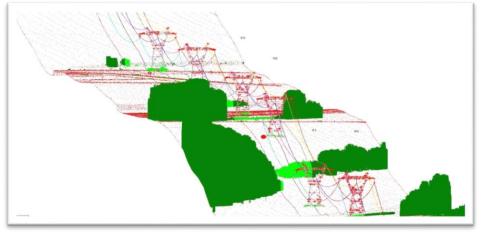




DIGITALIZING POWER LINES AND SUBSTATIONS



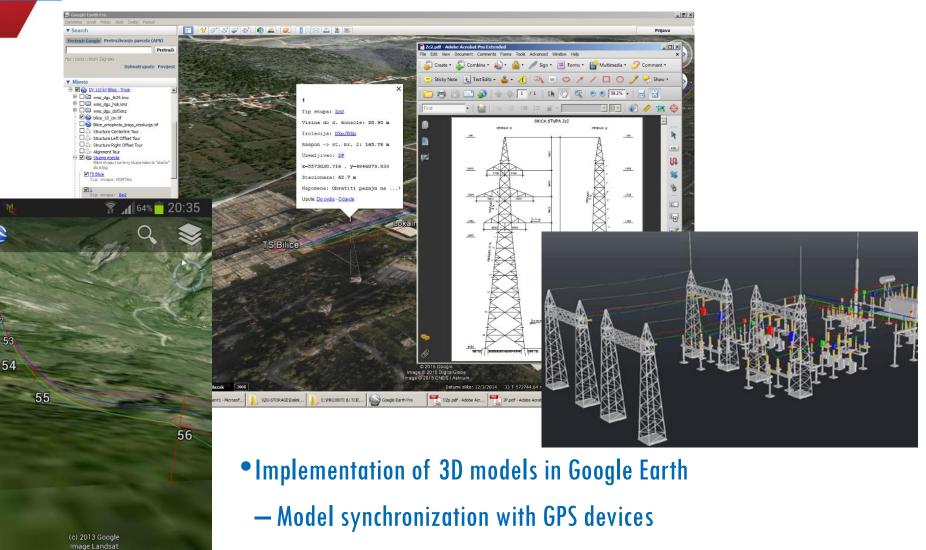




- 3D model (PLS-CADD, PRIMTECH)
- Checkings:
- Tower and equipment position and verticality
- Conductor tension and position
- Infrastructure vicinity
- Clearances



DIGITALIZING POWER LINES AND SUBSTATIONS



2

ekovoa

- Availability of the model on tablets and smartphones
- Built-in equipment and tower data

EXTERNAL OBJECTS SUPERVISION

WHAT IS EXTERNAL OBJECTS SUPERVISION (EOS) SYSTEM ?

INTEGRATED OBJECT DIGITALIZATION SYSTEM

Multiobject and multisystem solution

EXTERNAL OBJECTS

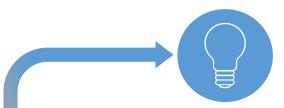
Distant objects, hard to reach and very often dispersed in locations

NON-OBSERVABLE

Objects without any signal or with only few non integrated signals

NO CRITICAL EVENT ALARM

External objects very often belong to key infrastructure that needs to be alarmed on critical event



DATABASE Data storage and archiving Post mortem analysis **OBJECT OBSERVABILITY**

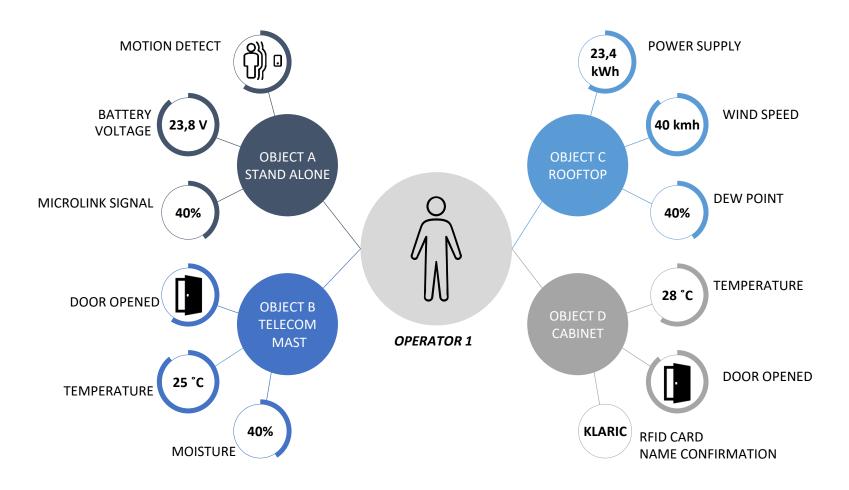
Various kinds of sensors and on-line measurements (electrical or non-electrical)

SPATIAL-TIME-REFERENCING Geographical locating Time synchronization

ALARMING Early warning and alarms on critical events



WHY EOS SYSTEM ?





SENSORSTAGE SOFTWARE — FUNCTIONALITY AND MOBILITY





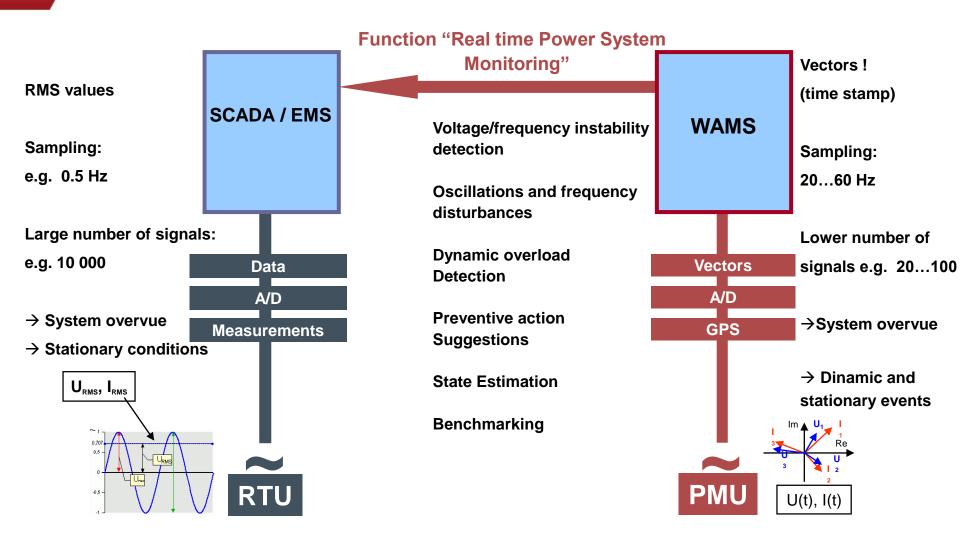


SENSORSTAGE — EXAMPLE

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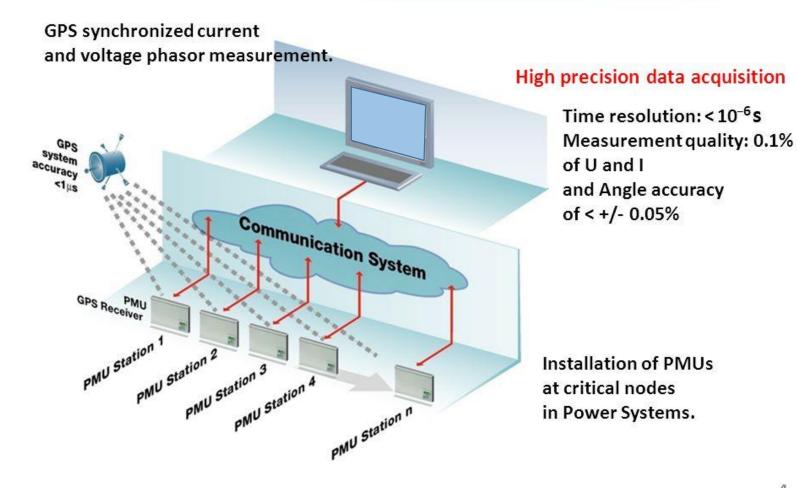
WAMS — SYSTEM FOR FUTURE GRIDS





WAMS — POWER SYSTEM ON-LINE MONITORING

Wide Area Monitoring (WAMS) : System Configuration





WAMS & PMU

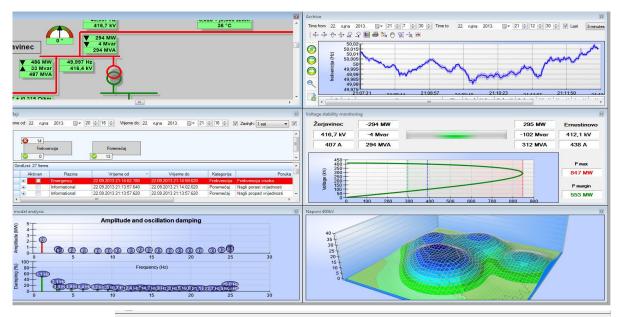
PDC WIZARD SOFTWARE



wams solutions

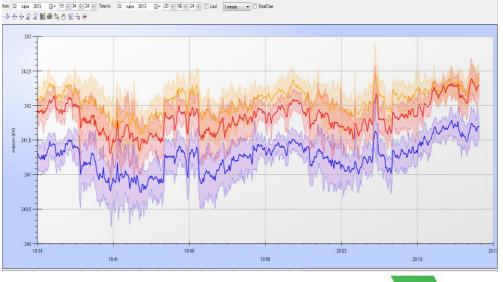


- optimising investments
- □ systems on the edge
- Larger share of renewables (wind)
 system control with constant increase of renewable energy



Needs:

- □ flexible power system control applications
- □ integration to existing infrastructure
 - PMUs, communications
- Smart Grid Backbone





SMART F

DALEKOVOD OMOGUĆAVA IZGRADNJU INFRASTRUKTURE PAMETNOG GRADA. U SVOM DJELOVANJU NASLANJAMO SE NA DUGOGODIŠNJE ISKUSTVO U PROJEKTIRANJU, PROIZVODNJI I IZGRADNJI ELEKTROENERGETSKE, TELEKOMUNIKACIJSKE, CESTOVNE, ŽELJEZNIČKE I OSTALE KLJUČNE INFRASTRUKTURE U VLASNIŠTVU JAVNIH I PRIVATNIH INVESTITORA.

alekovoo

Urbanizacija čovjekove okoline uvjetuje brzi razvoj u području municipalne infrastrukture pri čemu suvremene prometnice, sportski objekti, industrijska postrojenja, stambene i turističke građevine iznova zahtijevaju nova rješenja i prilagodbe koje moraju odgovarati tehničkim i ekonomskim zahtjevima, ali i zadovoljiti estetske kriterije. Dalekovod omogućava projekte energetske učinkovitosti, energetskih usluga i izgradnje informacijske i komunikacijske (ICT) infrastrukture u okviru smart city platforme.

SMART C/ty

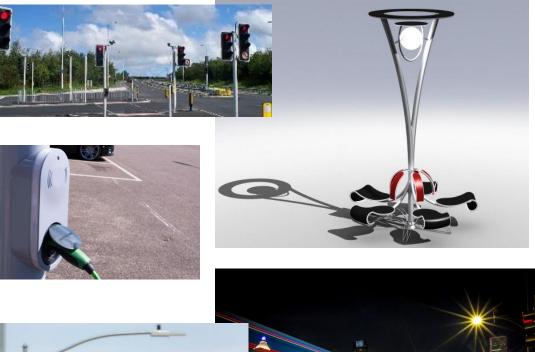




DIGITAL URBAN INFRASTRUCTURE













DIGITAL URBAN INFRASTRUCTURE



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