

# Digitalisation in Hydropower 2025

Use of advanced digital technologies and tools

ENERJİSA ÜRETİM



**vgbe/Enerjisa Üretim | Expert Event**  
(15) 16 and 17 October 2025  
(Istanbul) and Adana | Türkiye

Update: 11 April 2025

## vgbe/Enerjisa Üretim Expert Event Digitalisation in Hydropower 2025

The 9<sup>th</sup> vgbe Expert Event “Digitalisation in Hydropower 2025” in cooperation with Enerjisa Üretim will provide again a comprehensive overview of important topics regarding digitalisation in hydropower dealing mainly with the results and practical experiences of newly developed and implemented innovative digital measures, tested products and tools from the view of the operators. Topics of the lectures are:

- Asset Management
- Workforce Management
- Advanced Data Analytics
- Inspection & Measurement
- Visualisation (VR, AR, 3D GIS ...)

Based on practical examples, you will gain insights into how to implement and apply digital solutions successfully.

### EVENT VENUES

**Optional: 15 Oct. 2025 |**

**Visit of Senkron ROC – Remote Operation Control Center**  
Enerjisa Üretim A.Ş., Head Office  
Barbaros, Lale Sok. Ağaoğlu My Office İş Merkezi  
No:1/16, 34746 Ataşehir/Istanbul

**First day: 16 Oct. 2025 | Conference**

Adana Hilton SA  
Sinanpaşa, Hacı Sabancı İv. No: 1  
01220 Yüreğir/Adana, Türkiye

**Second day: 17 Oct. 2025 | Site visit with stations**

Köprü Hydropower Plant (37°37'12.9"N 35°36'42.1"E)  
Ergenuşağı Köyü Gökdere Mevkii Kozan/Adana

### CONFERENCE LANGUAGE AND OFFICE

The conference language is English and the office will be open from 08:00 on 16 October 2025.

### EVENING EVENT

On Thursday, 16 October 2025, starting at 19:30, all conference participants are invited to a get-together at the event venue.

## CONFERENCE TICKET

Participation *)	Single ticket (1 participant)	Package ticket (3 participants)
vgbe members	€ 850.--	€ 2,200.--
Non-members	€ 1,100.--	€ 2,900.--
Universities, Authorities	€ 400.--	€ 1,000.--

\*) Participation fee excluding Türkiye VAT (20 %)

The participation fees include the conference presentations (after the conference), coffee breaks, lunches, participation in the Evening Dinner event and bus shuttle on 17 October 2025. All participants of the conference are requested to register online. It is not possible to accept credit cards or currency on-site at the conference office.

Participant invoices will be issued in Turkish Lira using the exchange rate applicable on the invoice date.

### EXHIBITION AND SPONSORING OPPORTUNITY

Promote your company activities directly in the conference room on 16 October 2025 by booking our exhibition package (€ 450.- excluding Türkiye VAT, 1 roll-up + own brochure display).

### ONLINE REGISTRATION

<https://register.vgbe.energy/36025/>

**vgbe energy e.V.**

Deilbachtal 173

45257 Essen, Germany

Mr. Jens Paluszkiwicz

t +49 201 8128-202

e [vgbe-digi-hpp@vgbe.energy](mailto:vgbe-digi-hpp@vgbe.energy)



Have direct access to the event [website](https://register.vgbe.energy/36025/).

### PRIVACY POLICY & GENERAL TERMS

Detailed information on data protection as well as the general terms and conditions can be found here: i <https://t1p.de/vgbe-vsAGBen> (external shortlink)

### MEDIAPARTNER AND COOPERATION

**ENERGETYKA  
WODNA**

DIGITALISATION IN HYDROPOWER 2025

# vgbe/Enerjisa Üretim Expert Event

## Digitalisation in Hydropower 2025

Enhanced digital controls can boost hydropower performance, cut costs, and optimise asset management. These systems aid decision-making and enhance operational efficiency, which is crucial as many hydropower plants require refurbishment and modernisation in the coming years. Based on practical examples you will gain insights into how digital solutions are already successfully implemented and applied.

### PROGRAMME in ISTANBUL (OPTIONAL)

**Note:** If you are attending this programme item, you will need to book a flight from Istanbul to Adana to attend the conference on October 16, 2025.

As an additional and optional opportunity all participants are invited to visit the headquarter of Enerjisa Üretim to gain an insight into the work in the Senkron ROC – Remote Operation Control Center.

EEST	WEDNESDAY, 15 OCTOBER 2025
	Visit of Enerjisa Üretim's Control Room Center at the Head Office
11:00	Group 1 (max 30 participants)
12:00	Group 2 (max 30 participants)
13:00	Group 3 (max 30 participants)



### PROGRAMME in ADANA

EEST	THURSDAY, 16 OCTOBER 2025
09:30	<b>Welcome and opening</b> <b>Enerjisa Üretim Acquisition Story</b> <i>A. Serçe, General Manager (HES, RES, GES, Natural Gas &amp; New Technologies), Enerjisa Üretim</i>  <b>Enerjisa Üretim Digital Journey</b> <i>A. İnal, Deputy General Manager (Information Tech &amp; Digital Business), Enerjisa Üretim</i>  <b>Türkiye &amp; Hydro Power Plants</b> <i>C. H. Kılıçaslan, Deputy General Manager, General Directorate of State Hydraulic Works (DSİ)</i>
10:10	<b>Current activities of vgbe in digitalisation on hydropower</b> <i>M. Bachhiesl, vgbe energy</i>
10:30	<b>SESSION 1</b>  <b>Lecture 1</b> <b>Physics-based diagnostic assessments and innovative monitoring technologies for hydropower assets</b> <i>A. Jung, Voith Hydro Holding GmbH &amp; Co. KG</i>  <b>Lecture 2</b> <b>Anomaly detection for speed governors</b> <i>D. Gezer, TÜBİTAK Marmara Research Center</i>
11:30	Lunch
13:00	<b>SESSION 2</b>  <b>Lecture 3</b> <b>Digitalisation strategies of a hydropower plant</b> <i>M. E. Atmaca, EÜAŞ / Eurelectric Türkiye</i>  <b>Lecture 4</b> <b>Microsoft &amp; Assets management with AI</b> <i>P. C. Honningsvåg, EMEA Business Leader – Energy and Resources Industry, Microsoft</i>  <b>Lecture 5</b> <b>Knowledge graphs and agentic AI for predictive maintenance in hydropower plants</b> <i>S. T. Kandukuri, NORCE</i>

EEST	THURSDAY, 16 OCTOBER 2025
	<b>SESSION 2</b>  <b>Lecture 6</b> <b>From hydro for hydro</b> <i>E. Stempfel, AXPO</i>
15:00	Coffee Break
15:40	<b>SESSION 3</b>  <b>Lecture 7</b> <b>Towards online vibrational fingerprints</b> <i>M. Boden, Alpiq Holding AG</i>  <b>Lecture 8</b> <b>Harnessing predictive maintenance experience with Metris DiOMera</b> <i>J.-C. Marongiu, ANDRITZ AG</i>  <b>Lecture 9</b> <b>Technologies for 3D visualisation of hydropower plants and VERBUND's rollout strategy</b> <i>B. Hollauf, VERBUND Hydro Power GmbH</i>  <b>Lecture 10</b> <b>Nature positive &amp; hydro power plants for future</b> <i>Ö. Sönmez, Enerjisa Üretim</i>
17:30	<b>Outlook for the site visit to the Köprü Hydropower Plant</b> <i>Ş. Zilelioğlu, Enerjisa Üretim</i>
17:50	Closing words
19:30	Evening Dinner and Get-Together at Adana Hilton



## Site visit and demonstration of Enerjisa Üretim's Köprü Hydropower Plant in Kozan/Adana

On the third day of the Expert Event, Enerjisa Üretim will present digital solutions in the Köprü Hydropower Plant in Kozan/Adana. Participants can take part in a guided tour, and experts will be on hand to answer questions and be available for further in-depth technical discussions.

*Please note: Sturdy shoes are required for the plant visit!*

### PROGRAMME at Köprü Hydropower Plant

EEST	FRIDAY, 17 OCTOBER 2025
08:00	Departure via bus shuttle to Enerjisa Üretim's Köprü Hydropower Plant in Kozan/Adana
09:00	Welcome and grouping of participants for visit of stations <b>Guided visit to the demonstration stations</b>
12:30	<b>Networking</b> <b>Snacks, soft drinks, coffee</b>
	<b>Self-guided visit to the demonstration stations</b> Get in touch with the experts for knowledge exchange at the stations (Open House)
15:00	End of visit
15:00	Departure by shuttle bus to Adana Airport
-	
15:40	

In cooperation with  
**ENERJISA ÜRETİM**

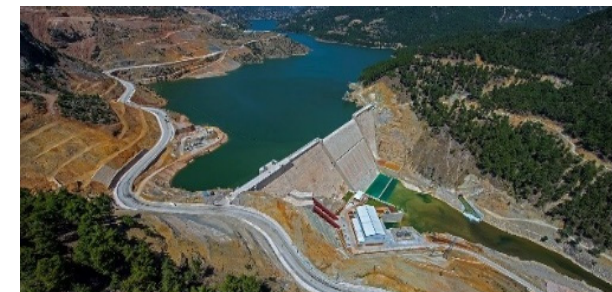


### Demonstration stations and the presenters

Station 1	Renewable Energy Management Suite (REMS) <b>OnePact Monitor, Feasibility and Predict</b> Live Demo and User Story (operational)
Station 2	CyberPact Hub <b>Ensuring Compliance &amp; Security in Industrial Operations</b> Live Demo and User Story (operational)
Station 3	CoPilot for Power Plants Live Demo and User Story (operational)
Station 4	Power Plant Operation & Management Systems <b>Asset Management, PPM &amp; Dark Plant</b> Live Demo and User Story (POC)
Station 5	Remote Operation Tools ROV, Communication & DAM Safety Tools Live Demo and User Story (operational)
Station 6	HSE with Enerjisa Üretim <b>Smart Solutions for a Safer &amp; Healthier Workplace</b> Live Demo and User Story (POC)
Station 7	Academy <b>Technical Training with VR/AR</b> Live Demo and User Story (operational)

### Demonstration stations and the presenters

Station 8	Sustainable Future <b>Fish Tracking with Chips</b> Live Demo and User Story (POC)
Station 9	Inventory Hub - Mobil & Kaizen Application RFID Projects <b>Digitalisation of Warehouse Records</b> Live Demo and User Story (operational)
Station 10	Predictive Maintenance Thermal Cameras and Ultrasonic Wall Thickness Measuring Device User Story (operational)
Station 11	Mobile Senkron Mobile Remote Operations of Power Plants Live Demo and User Story (operational)
Station 12	Archimedes' Screw New Technology in Renewable Energy Generation User Story (operational)



Köprü Hydropower Plant

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Köprü Hydropower Plant