

# 2018: Year in Review



**engineering** 

FOR POWER SUPPLY HELB has become a part of great projects, successfully finished some big assignments, visited renowned industry events and, accordingly, travelled across the globe in 2018. As we are looking forward with excitement to things to come, we bring a short recap of the passing year at HELB. 2018 was successful, valuable and fruitful.

# **PROJECTS** - coming to new markets

#### • Walney Extension

Our engineers have participated in massive project in England, the world's largest offshore wind farm. With record capacity of 660 MW, the new wind power plant <u>Walney Extension</u> is set out to annually supply more than 460.000 households. HELB has proudly been in charge of testing and integrating all the systems into one functional unit.



Walney Extension

# • Geothermal power plant "Velika 1"

HELB has participated in the works at the <u>Velika 1</u>, the largest geothermal power plant with binary (ORC) technology in continental Europe. The technical complexity of the project required the forming of a multidisciplinary team, from the project leader, designers who further developed project documentation, a team that made LV cabinets in the HELB production facility to the head of the electromechanical works at the construction site.

#### • Product for the largest power plant in Dubai

As a part of a partnership with KPT factory, majority owned by Siemens, HELB produced its largest cabinet so far, designed for controlling and cooling of energy transformers. The cabinet was transported far away, to <a href="Dubai">Dubai</a>, and became a part of the Jebel Ali M Station, UAE's biggest power production and desalination plant, whose capacity can fulfil the electricity needs for one million households.









#### • Dubrovnik Airport project

HELB was part of <u>Dubrovnik Airport</u> infrastructure and suprastructure project, performing internal power grid and photovoltaic power plant construction works. This assignment has historic importance for us because it's the only airport reconstruction in Europe approved by the European Commission and one of the largest infrastructure projects co-financed by EU funds in Croatia.

#### • Partnership with Vertiv

HELB has signed a contract with the <u>Vertiv</u> company, a global integrator of data centers which designs, builds and maintains critical infrastructure that enables vital applications for data centers, communication networks and facilities. We have worked on two projects that have opened us an avenue towards the business data center - one in the Netherlands and the other one in Saudi Arabia.

# • Geothermal plant in New Mexico

HELB was performing cold and hot commissioning works at the Lightning Dock geothermal plant in <a href="New Mexico">New Mexico</a>, USA, a great project helmed by the Turboden Company. The plant is currently under construction and it is planned to be in operation in the first quarter of 2019, with expected energy production of more than 90 GWh.



Geothermal plant in New Mexico

#### Možura wind farm

Our team has commenced the consulting and auditing services at the Montenegrin wind farm Možura's transformer station with 46MW capacity. Our partner in this project is Shanghai Electric Power Engineering, the company founded in 1882, known as the first Chinese electric power enterprise and the green energy pioneer.









# • Windfarm Krnovo

Our team has done extensive work at Montenegrin first wind power plant <u>Krnovo</u> including management and supervising of the plant's substations.

# Supervision at Philippines

Our representative has travelled to Philippines, with the task of supervision over the installation of an 83 MVA energy transformer in the Santolan area near Manila. The investor for this project is Meralco, more than a century old utility company from Philippines which employs 6.000 people and serves 6,5 million customers.

# • Siemens megaproject

HELB's experts supervised the installation of the block transformers of Končar KPT generators at three major power plants in Egypt with installed power of 14.4 GW as a part of the <u>Siemens megaproject</u>. It is the largest project in Siemens's history and our colleagues have finished their work at half of the scheduled time.



Siemens megaproject









# **EDUCATIONS**

#### • HELB's mini MBA

A constant search for knowledge and new skills is the crucial part of our corporate philosophy. The 1st generation of HELB's middle and senior management have completed the mini-MBA education at the ZSEM Business Academy, participating in a program based on the model of world's best business schools. With this education, our colleagues have strengthened their competence and excellence, gaining additional knowledge - among others - in strategic thinking, financial decision making, human resources management and the use of digital technologies.



HELB's mini MBA

# • Rittal partnership development

Innovations are the most important part of any serious business and HELB always places great emphasis on innovation, especially when it comes to educating and training the employees. Consequently, our colleagues visited the Rittal Innovation Centre in Haiger, Germany, with aim to learn more about its innovation practices. Rittal is one of the world's leading manufacturers of distribution cabinets and our long-term partner, so this visit also marks the continuation of a good cooperation.



Rittal partnership development









# Participative Leadership Workshop

The key goal of this workshop with colleagues was to establish the common vision regarding the project management standards which we are implementing. The workshop was conducted according to the Participative Leadership model which harnesses diversity, builds community, and opens an empowering way to create successful organisation development. In other words, all the participants had an equal opportunity to offer their ideas and solutions, which resulted in an active and very dynamic meeting.



Workshop – Participative Leadership









# **FAIRS AND CONFERENCES**

- **EPOCH congress in Rome (Exploration & Production Offshore Congress Hub)** (March) It was the unique opportunity to present the <u>Z-Torque drilling technology</u>, the service that we have developed in collaboration with Shell Company.
- Hannover Messe the largest industrial fair in the world (April)
   HELB has been preparing solo exhibition for months to establish direct contacts with customers from Engineering, Design and Infrastructure companies. There were the valuable series of meeting with our customers, partners and public figures, but we also brought many attractions to our stand (table football etc.)



Hannover Messe

- **MIOGE fair** (June) the largest Russian international exhibition of oil and gas equipment and related technologies.
- The Wind Europe conference in Hamburg (September)
   The event was of huge interest to us, given that ecological power plants are clearly the future and HELB certainly follows innovative trends in this area.
- **5th CEE Procurement & Supply Forum in Prague** (October)
  Our travels took us to this big B2B event where our colleagues had an opportunity to meet representatives of some leading energy and metal processing companies, and we can certainly say that those talks were very successful for us.









**13th Symposium on the EES Management System in Rovinj** (November) This famous industrial event was organized by the Croatian branch of the CIGRÉ International Association. We came to the pearl of Istria with attractive booth and poster presentation on the highly-featured "Blockchain in the Power System". It showed once again our focus on new technologies, innovative solutions and digital business transformation. We talked with our visitors about the latest trends in the industry and in the meantime played some table football!



13<sup>th</sup> Symposium on the EES Management System in Rovini

Energy fair ADIPEC 2018 in Abu Dhabi (November)

HELB has introduced the "War Room" - Total Rig Automation System, a powerful digital tool working as a real time management center for the whole rig fleet. Hereby we once again prove our commitment to the latest trends in digitalization of the hydrocarbon exploration and production processes.



Energy fair ADIPEC 2018 in Abu Dhabi









# STEPS TOWARDS HELB'S KNOWLEDGE ACADEMY

HELB has marked an initial step to formation of the HELB knowledge academy with aim to develop an extraordinary working environment for our workers and trainees, using new technologies and modern approaches - with a special emphasis on our young future colleagues. Here are some activities to fulfill the purpose of that mision.

# • Vocational Education and Training program in Frankfurt

HELB took this informative journey to collect the best experiences in the field. Our representative had a busy schedule which, among others, included participating in Croatian-German Forum on Vocational Education, visits to the Gelnhausen school and the Woco automotive company.

#### Career day

The future lies in young hands, and keeping that in mind, HELB continuously creates space for professional growth of young people. Therefore, we were happy to participate in Career Days in the Dugo Selo High School, where we presented our goal of becoming a digital engineering company to students, and showed them the possibilities of employment in HELB. We are very pleased that the young minds showed great interest in our company and our vision, so we can surely soon expect some quality additions to our team - just like the recent case of a student from the school who is now already working with us!



Vocational Education and Training program
Frankfurt



Career day Dugo Selo









# SOCIAL RESPONSIBILITY - PROJECT "GOOD CROATIA"

The book "Good Croatia" shows examples of Croatia's socially responsible businesses within the last five years, along with the profiles of 65 organizations that contribute to the United Nations' global goals for sustainable development. In this publication, HELB is shown as a company which reflects some of the UN's key goals such as innovations in the industry and infrastructure, dignified work and economic growth, and climate preservation. This all makes us extremely proud, confirming that we are consistently moving in the right direction.





UN's key goals

The book "Good Croatia"

# LEISURE TIME – TEAM BUILDING

The year that draws to a close has been full of amazing moments for us, and one thing we will undoubtedly remember for a long time is our team building in Lika which took part at the end of the summer. We all had so much fun there, enjoying friendly atmosphere and many amusing activities, while proving that our team spirit is as strong as ever. Once again we proved that our team spirit and togetherness are equally strong inside and outside office walls. No surprise though, because in HELB each of us is first a friend and then an employee.



Adrenalin park Rizvan city



Adrenalin park Rizvan city









# **CHRISTMAS RECEPTION**

HELB's festive event was organised at the Bunčić Cellar in Dugo Selo with a very rich program, including a theater play and tamburitza music. We have also prepared a "tech corner", an exhibition space with five sets inspired by HELB's vision, presenting advanced solutions in power systems and digital engineering activities, such as digital TS, virtual reality, Internet of Things, smart sensors, automation and robotics. More than 200 people participated in the event and it was something to remember for all of them.



Dinner



Theater play



Robot arm



Virtual reality







