



BITLISMEN

CASE STUDIES



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Lehigh University, USA

Happy Customer

Region: Pennsylvania, USA

University: Lehigh University

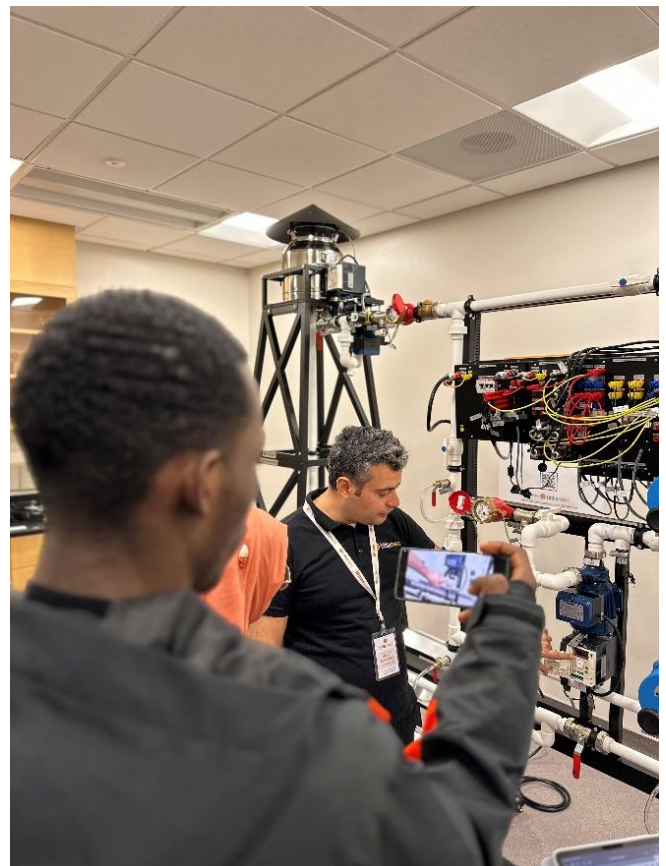
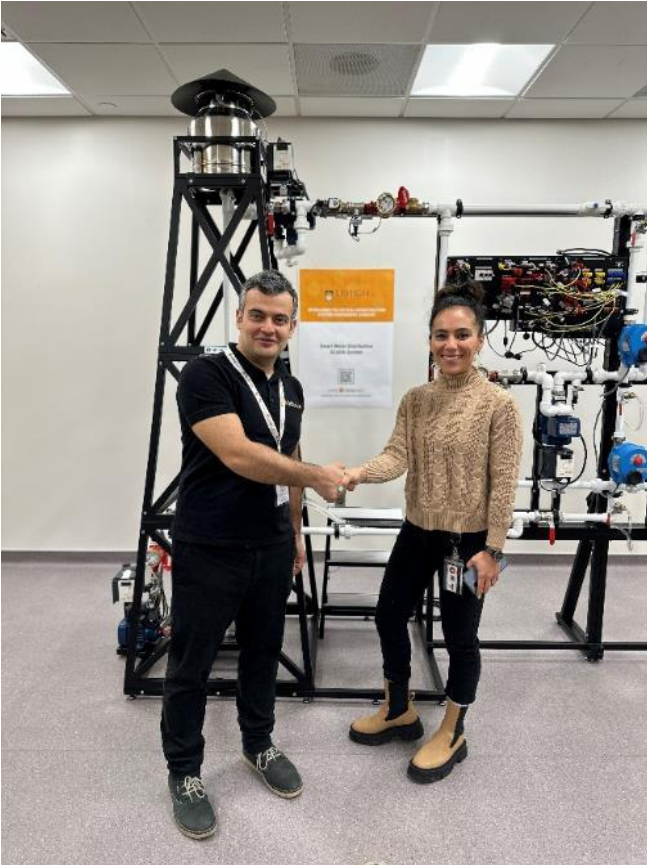


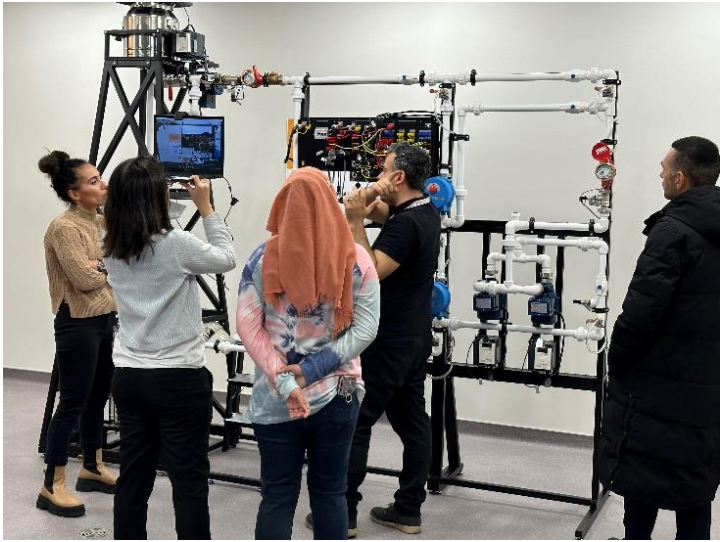
LEHIGH
UNIVERSITY

Department: Civil and Environmental Engineering

Date: February 2023

Product: Smart Water Distribution SCADA System





Feedback for customized R&D

Date: September, 2022

"I began working with Bitlismen in April 2022, when they began designing a smart water system for my laboratory. They have been very professional and passionate about understanding my needs and how to best meet them. Before processing any step, they always do thorough research and share multiple options with me. Typically, they choose multiple components for each process, discuss pros and cons with me, and allow me to decide which one is best. In choosing the components, they go above and beyond to satisfy my needs. In answering my questions, they are always available and responsive. Currently, I have been provided with a conceptual design and its 3-D version; both are of high quality and accurate. I would highly recommend Bitlismen company, even though the project is still in its early stages."

Aspect	Evaluation
How would you evaluate our professionalism?	Excellent
How would you evaluate our support before order, and after R&D order?	Excellent
How would you evaluate our availability and responsiveness before order, and after R&D order?	Excellent
How would you evaluate our flexibility for customer requests/requirements?	Excellent
How would you evaluate our skills in mechanical engineering and hardware level design, software level design and system level design?	Excellent
How would you evaluate our selection of components?	Excellent
How would you evaluate our way of doing business?	Excellent
How would you evaluate our willingness to collaborate with the customer?	Excellent
How easy we are as a supplier for research, prototyping and development project?	Excellent

Farrah Moazeni, PhD

Assistant professor of Civil & Environmental Engineering

Lehigh University

Feedback for Product Delivery

Date: February, 2023

"I recently had the opportunity to test out a smart water system lab testbed, and I must say I was thoroughly impressed with the quality of the software, hardware, design, look, and feel."

Firstly, the software quality was top-notch. The system was responsive and efficient, with no lag or delays during use. The user interface was intuitive and user-friendly, making it easy for me to navigate through the various functions and features. The system was designed to allow for easy integration with other software systems, making it a flexible solution for a range of applications.

In terms of design, the smart water system lab testbed was sleek and modern. The system was well-designed, with a clear focus on functionality and user experience. The hardware components were seamlessly integrated, and the system was easy to set up and use. The hardware components were also of high quality, which is crucial for a system that deals with water management.

The look and feel of the smart water system lab testbed were also impressive. The system had a clean and polished appearance, which made it visually appealing. The system was also easy to use, with clear labels and icons for each function. The user interface was designed to be intuitive and user-friendly, with a focus on functionality and ease of

use.

Overall, I would highly recommend Bitlismen testbeds to anyone looking for a high-quality, user-friendly solution for Academic Teaching and Research. The software quality, design, look, and feel of the system are all top-notch, making it a great choice for a range of applications.

Aspect	Evaluation
Product Manufacturing	Great quality. Everything was designed as I had expected (if not better).
Factory Acceptance Test	The testbed runs as it was intended to
Delivery and Commissioning	Above and beyond expectations
Training and support	We always receive prompt assistance from the team. Their aim is to resolve issues in a short amount of time if we run into any
Hardware and software quality, design, look and feel	It is great
What will be achieved by using this laboratory and why it matters	We try to validate our computer and mathematical models regarding optimization and control of smart water systems
This product in the context of Future Trends and Industry leading technologies	With emerging sensors and IoT-based assets revolutionizing the way we manage critical infrastructure systems like water distribution, this cutting-edge testbed is paving the way for the future
What kind of research works are you planning to do on the testbed	Optimization/control, and cybersecurity models validation

As I had the opportunity to test out this system, I was struck by the incredible potential it holds. The testbed offers an unparalleled glimpse into what modern water distribution systems could look like, with its innovative use of sensors and IoT technology. The integration of these features provides a level of control and insight that has never before been possible, allowing for more efficient and effective water management.

But it's not just the technology that makes this testbed so impressive. The design and functionality of the system are top-notch as well, making it easy to use and seamlessly integrated with other software systems. From the sleek and modern appearance to the intuitive user interface, every aspect of the testbed has been thoughtfully crafted to provide the best possible user experience.

In short, this testbed is an exciting glimpse into the future of water management. Whether you're a water distribution professional or simply someone interested in the latest advancements in technology, this system is not to be missed. So why wait? See for yourself what the future of water distribution could look like with this incredible testbed”.

Farrah Moazeni, PhD
Assistant professor of Civil & Environmental Engineering
Lehigh University

University of Dubai, United Arab Emirates



Happy Customer

Region: Dubai, United Arab Emirates

University: University of Dubai



جامعة دبي
UNIVERSITY of DUBAI

Department: Electrical Engineering

Date: February 2021, Update: February 2023

Product: Smart Grid, Solar, Wind, Hydro, Traditional, Power Transmission, Power Distribution, Substation Automation SCADA, Relay Protection trainers.



Customer Feedback

Thank you very much for your commitment, to complete the Power Labs Ecosystem Trainers on time in this difficult time of pandemic, we really appreciate that. I hope this will be step forward for future collaboration. Once again thank you very much, I am very happy with the progress of the Trainers, and I would like to thank Bitlismen team for the professionalism on implementing this project.

I would like to confirm that the online testing demonstration is fine with us, and please ship the lab as soon as possible. Due to the Power Labs Ecosystem Platform, University of Dubai is offering a new specialization in power and energy engineering.

In addition, the response as I got from our team members Dr. Sabina Abdul Hadi and engineer Eman was that whatever has been demonstrated was excellent and meet our expectations so I congratulate you for the excellent job you have done.

Really, we are lucky that we have you on board with us to help us with this Power Engineering Lab and compliment us with the complete skills that you have, we appreciate it. I am very happy to put this feedback for you.

Dr. Wathiq Mansoor
Professor, Chair of Electrical Engineering, Director of Entrepreneur & Innovation Center
University of Dubai

This laboratory is intended for Power Engineering students to experience concepts of power generation and distribution, including smart grids from practical point of view. Lab is designed such that students can feel industry-like environment when studying the concepts and they can understand challenges and limitations that come in field, going beyond theoretical knowledge.

Products that was delivered to us is of high quality and functionality. Easy to use and understand. Team was adequately prepared to deliver experiments via zoom during site/internet Acceptance Test. All tools were introduced and described in details. Team went over theory behind each experiments with us and carried out each experiment successfully. They answered all of our questions and even explored additional features and equipment adaptability, based on our questions and requests.

As for the Delivery and Commissioning entire process was transparent and went smooth without problems. Their team did face some technical issues from our side, which they have overcome and delivered functional equipment to us. Team was exceptionally helpful during training, ready to answer all our questions and open for discussions. They take our even smallest concerns seriously and address them in no time. Attention to detail is what characterizes their team, at every level of this process.

Equipment is of high class. Design is suitable for educational environment. Safe for the user, easy to understand and adaptable. Software is easy to use and understand. All equipment have similar interface, so it is easy to train the students to use software (and hardware).

As for the Future Trends, Team is looking ahead in their development. For example. they have presented to us virtual 3D laboratory, which can allow students to actually view assembly parts of each tool they are using. They are definitely following global industry and educational trends.

The User manuals of the system are very detailed and can easily be used as teaching materials. Theoretical background on the topic is covered in depth and user manuals are descriptive. It is very easy for student or instructor to follow the manual and carry out each experiment. Furthermore, conceptual questions are also provided which can be used to ensure students' readiness for the lab.

Equipment is adaptable and customizable while team also provided open source for their software. This allows us to adapt use of the equipment for various project and research topics, which is a great asset.

Dr. Sabina Abdul Hadi
Assistant Professor, College of Engineering and Information Technology
University of Dubai

<i>Aspect</i>	<i>Evaluation</i>
Product Manufacturing	<i>Excellent</i>
Factory Acceptance Test (Committed to deliver testing via Zoom during pandemic)	<i>Excellent</i>
Delivery and Commissioning	<i>Excellent</i>
Training and support	<i>Excellent</i>
Hardware quality, design, look and feel	<i>Excellent</i>
Software quality, design, look and feel	<i>Excellent</i>
What will be achieved by using this laboratory and why it matters	<i>For power engineering students</i>
Future Trends and Industry leading technologies	<i>This lab goes in line with the new and latest technology in the field</i>
Academic Teaching	<i>This lab will be used for Undergraduate students, Power Engineering students</i>
Project based learning and Research	<i>This lab will be used for Graduation projects, competitions and research projects.</i>

Engineer Eman Salamah Diab Abu Shabab
Teaching Assistant & Lab Engineer, College of Engineering & IT, University of Dubai
Chair of IEEE Young Professionals Society, Member in Entrepreneurship and Innovation Free Zone (EIFZ)

Update: 03 February 2023

Two years back in February 2021, a new department of Electrical Engineering was established in the University of Dubai for the undergraduate students which was fully based on Bitlismen's Power Labs Ecosystem Trainers. Both theoretical materials as well as practical experimental platforms were provided by Bitlismen.

We are thrilled and honored to inform that after two years of successful education and due to the dedicated work of the lecturers and professors, the University of Dubai was approved to start as well the Master degree program for Electrical Engineering based on Bitlismen's Power Labs Ecosystem platforms. Thus, the post graduate students will also base their teaching and research on cutting edge technologies provided by us.

"I am glad to announce that the ministry of education has approved the "Master of Science in Electrical Engineering" program for College of Engineering and IT at university of Dubai that has been published on the Ministry website: <https://lnkd.in/dPd97u7q>"

Dr. Wathiq Mansoor
Dean of College of Engineering and IT, University of Dubai

Bahrain Polytechnic, Bahrain



Happy Customer

Region: Bahrain

University: Bahrain Polytechnic



Department: Mechanical Engineering

Date: September 2021

Product: Indoor & Outdoor Solar Power
Generation Trainers





Customer feedback

"My name is Nikolaos Vasilikos. I work in Bahrain Polytechnic; I am a Mechanical Engineering Lecturer.

I would like to thank Bahrain Polytechnic because they take new devices for the experiments in order to improve the knowledge for the students, to improve the development of the teachers. Secondly, I would like to say many thanks to Bitlismen because they were very useful for us, we had very good training. They trained all of us how to use the devices, what is the benefits that you can take from all this device, from the solar panel, from the outdoor solar panel. All this is very useful as we can develop the knowledge of the students in order to understand better the renewable source of energy. I would like to say that all these devices are very useful because they follow the new technology and we can make not only the experiments that you have here but can also create a new experiment by ourselves.

Thank you so much Bitlismen. I hope that we will meet again in the near future for new trainers, thank you so much".

Dr. Nikolaos Vasilikos, Lecturer, Mechanical Engineering Department, Bahrain Polytechnic

"The whole power system simulation is done through the real hardware", "The students will get the real feeling of the real hardware for the entire power grid", "With this trainer you can do so many additional analyses, for example power outage, how it affects the power system or the loads, including transient analyses", "With these trainers students can understand the economic aspect of the power transmission and losses as well".

Professors, Mechanical Engineering Department, Bahrain Polytechnic

Bahrain Polytechnic, Bahrain



Happy Customer

Region: Bahrain

University: Bahrain Polytechnic



Department: Electrical Engineering

Date: September 2021

Product: Solar & Wind Power Generation Trainers





Customer feedback

"Bitlismen has incorporated industrial based teaching into their Academic Trainers. This is quite helpful for the students to have an industrial experience. In terms of the hardware, they have a good quality. Besides the experiments which are provided, students will be able to do more experiments on these trainers because we will be able to customize them. This is one of the advantages. The researchers also can extract the data while performing some experiments and this will be beneficial for them also."

Dr. Ramani Panda, Lecturer, BP, Electrical Engineering Department, Bahrain Polytechnic

"It was very nice to see the wind trainer", "The electrical students as well as the mechanical students can study this", "One of the benefits is that we can simulate here the whole power systems' infrastructure for example we can have solar, wind, transmission line all integrated together. In addition, we can have real loads and can inject some harmonics and noise into the system.", "Another benefit is the centralized monitoring and control over the entire microgrid".

Professors, Electrical Engineering Department, Bahrain Polytechnic

Ziauddin University, Pakistan

Happy Customer

Region: Karachi, Pakistan

University: Ziauddin University

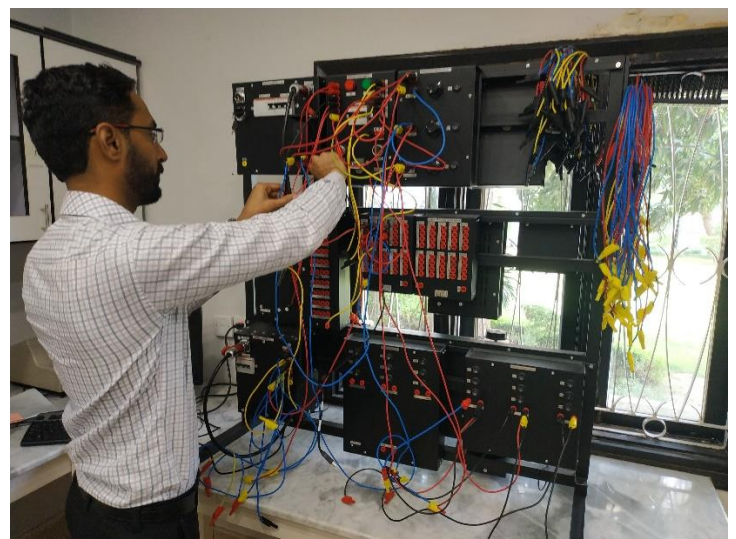


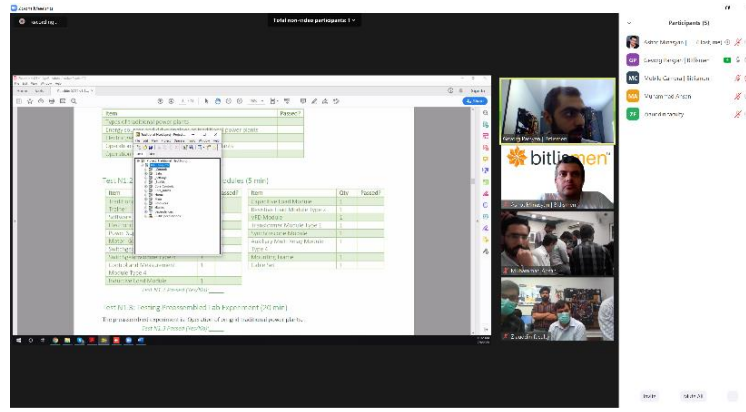
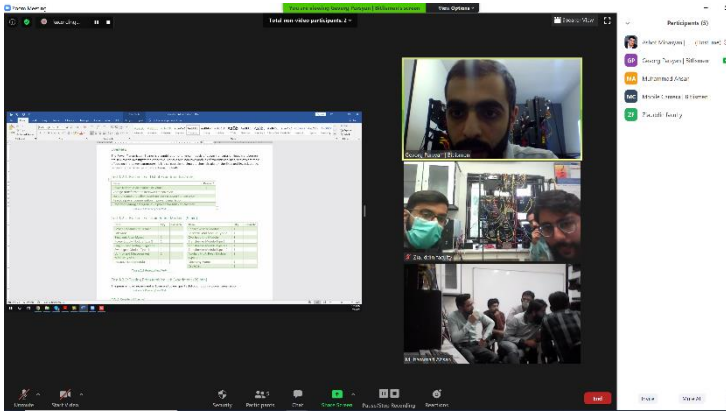
**ZIAUDDIN
UNIVERSITY**

Department: Faculty of Engineering Science and Technology

Date: Jul 2020

Product: Traditional Power Generation, Power Transmission, Power Distribution, Relay Protection trainers





Customer Feedback

It was a well-defined and informative session for all of the trainers the way Gevorg Parsyan presented and defined the things were clear and overall follow-up and consecutive support from Mr. Ashot Minasyan made much confusion clear on the spot.

Ashfaqe Ahmed Baloch, Senior Lecturer, Faculty of Engineering Science and Technology
Ziauddin University

PLE trainers were one of its kind which will help students to learn a lot as well as they can relate the theoretical knowledge with practical sessions. Thank you very much for your effort to organize the training and assistance provided during the session.

Engr. Shahbaz Ahmed, Lab Engineer, Faculty of Engineering Science and Technology
Ziauddin University

I found this training workshop to be a very enlightening experience in many ways. The PLE trainers were very well-paced and the attitude of the instructors was very positive and enabling. It was very nice that they accommodate us during the workshop and solved the queries related to it.

Engr. Arsalan Ilyas, Lab Engineer, Faculty of Engineering Science and Technology
Ziauddin University

Umm Al-Qura University, Saudi Arabia



Happy Customer

Region: Makkah, Saudi Arabia

University: Umm Al-Qura University



Department: Mechanical Engineering

Date: February 2020

Product: Outdoor Solar Power Generation Trainer





Customer feedback

"I believe the Outdoor Solar Power Generation Research System you installed at UQU Solar Lab site is an excellent teaching and research tool that will improve our department capabilities and industry-based teaching. Thank you again for your presentation, and we will keep you in our contact for future collaboration opportunities".

Dr. Abdullah A. AlZahrani, Department Chairmen,
Mechanical Engineering Department, Umm Al-Qura University

"Very good system", "Here everything is put based on industry and education combination", "It's perfect for research and limited only on your imagination", "This kind of platforms should be for all the research areas, it's a must", "This platform is very helpful", "Perfect solution and perfect presentation, thank you".

Professors from the department
Mechanical Engineering Department, Umm Al-Qura University

Industrial College of Tome, Chile



Happy Customer

Region: Tome, Chile

University: Industrial College of Tome (Liceo B. E. Industrial Tomé)



Corporación de Estudio, Capacitación y Empleo
Cámara de la Producción y del Comercio
Concepción

Department: Electrical Engineering

Date: December 2018

Product: Hydro Power Generation Trainer



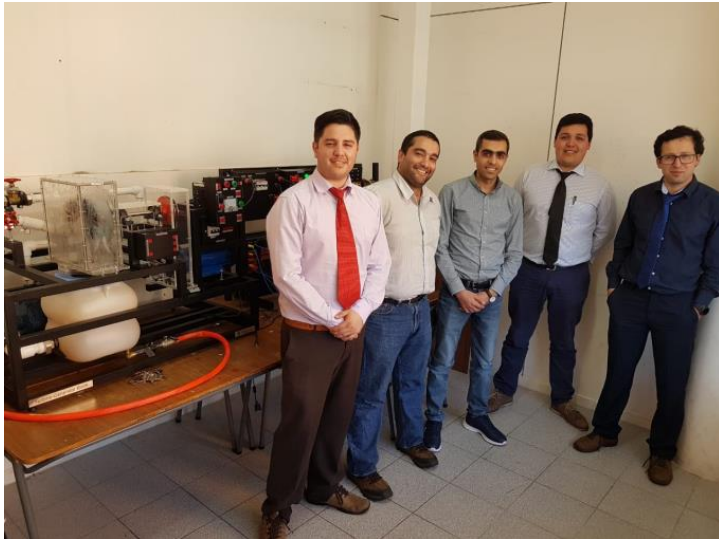


Customer feedback

"The system is very dynamic. It is very easy to explain the students the processes happening during the operation. It is very nice to have graphics and vector diagrams in the software which will help to explain the students different power measurements. The termination and assembly of the labs are easy to do and straightforward. The trainer is very secure, and it is built in a pro level".

Chief of Department,
Electrical Engineering, Industrial College of Tome

Industrial College of Coronel, Chile



Happy Customer

Region: Coronel, Chile

University: Industrial College of Coronel (El Liceo Industrial Metodista de Coronel)

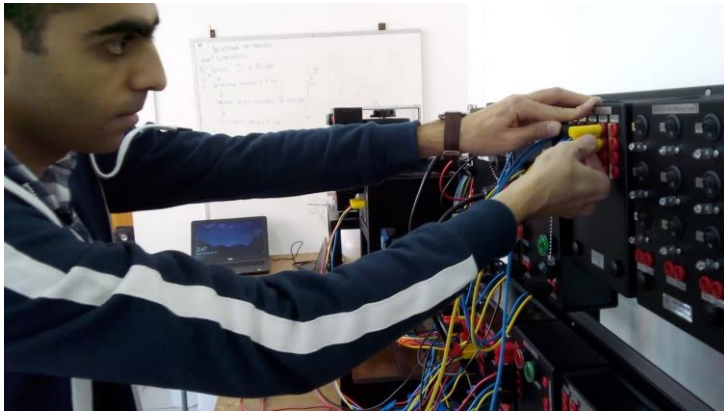
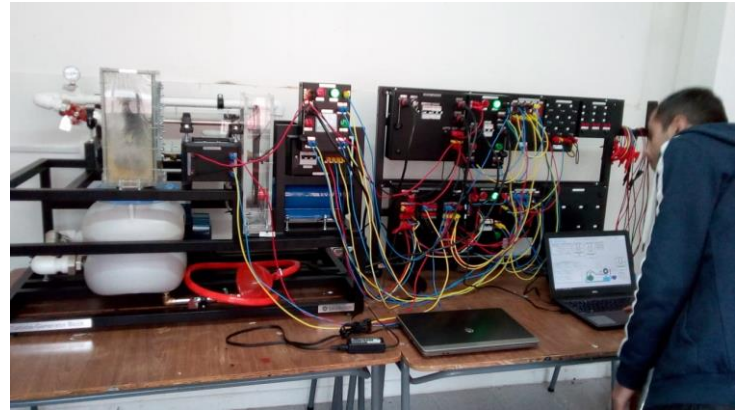


Department: Renewable Energy Laboratory

Date: December 2018

Product: Hydro Power Generation Trainer





Customer feedback

«The trainer is very interactive and friendly. Experiments are very easy to follow. The safety measures are taken care of with 5+. Perfecta. »

Chief of Department,
Renewable Energy Laboratory, Industrial College of Coronel

King Fahad University of Petroleum & Minerals, Saudi Arabia



Happy Customer

Region: Dammam, Saudi Arabia

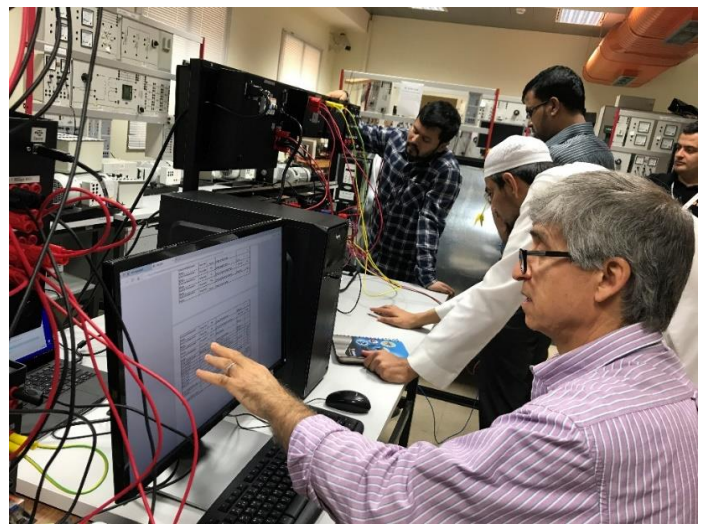
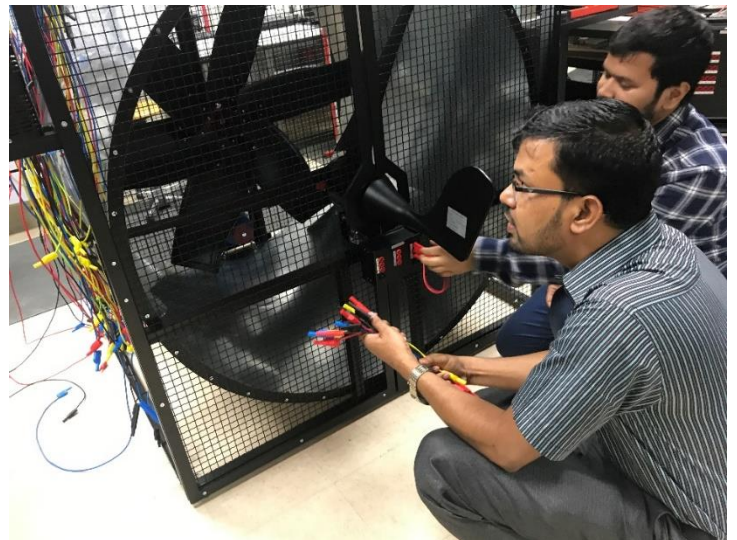
University: King Fahad University of Petroleum and Minerals



Department: Electrical Engineering

Date: October 2018

Product: Relay Protection and Wind Power
Generation Trainers





Customer feedback

"Very comprehensive experiments, the system is very flexible, everything was thought about including minor things. System is protected very well and uses industrial components. Software is open, very friendly and nice looking. System is modular and very deductive. Students will enjoy it, it's very good for education as well as for research activities."

Dr. Mohamed Ali Abido, Distinguished University Professor,
Electrical Engineering Department, KFUPM



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