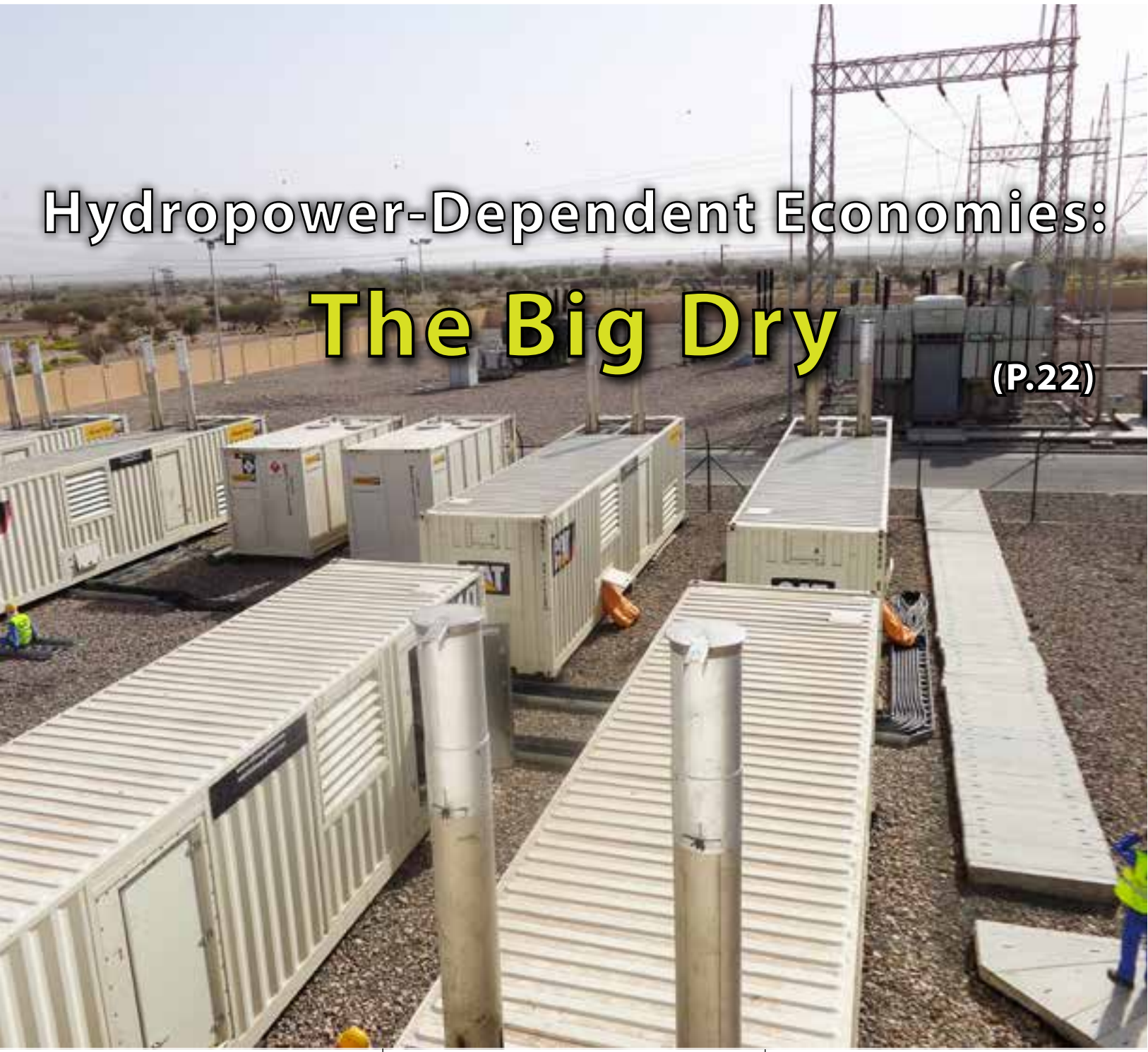
September 2014 / Vol. XXXVII Issue 9

Arab Water World
عالم المياه العربي

www.awwmag.com



Hydropower-Dependent Economies:
The Big Dry

(P.22)

From the Sewer to the Glass
Managing a Strategic Resource
(P.11)

Middle East's Flow
Meters Industry: In Full Flow
(P.18)

Saudi Arabia:
Ambitious Scope for Water Market Development
(P.40)

APATEQ Develops New Services

Luxembourgish water and wastewater specialist **APATEQ** announces a six months lasting program of on-demand, on-site, produced water treatment with its oil-water separation system "OilPaq" in North America. The treatment activity will start at oil- and gas fields in Kansas and Texas in September and will end in Alberta in spring 2015. The target of this road show is to enter the North American market by proving the excellent long-term operation at very low operational costs of the system inheriting APATEQ's proprietary membrane treatment technology. The company started its operation with the engineering and manufacturing of compact wastewater treatment plants and systems for the treatment of industrial wastewater. It now extends its core business with oil-water separation systems to be operated at oil- and gas fields in North America. An initial containerized produced water treatment system has been shipped to a large European customer at the beginning of the year. An upgraded version that is capable to treat different types of produced water from different wells and that produces an effluent suitable for re-use, meaning re-injection of the water into the borehole or irrigation, is currently being assembled in Luxembourg and will be shipped to North America at the end of the month. The pilot plant, which is built under **ATEX** specifications, will treat produced water directly on-site at the oil well. Thus expensive water transportation and storage costs fall away and the treated water can be recycled. This is an important factor, taking into consideration that huge amounts of fresh water are required for oil and gas extraction, especially from older wells that represent the great majority.

Sampling produced water during treatment process

The company's proprietary membrane technology excels over all other processes in the industry by providing a solution that separates even emulsified oil without the need of additional chemicals. The recovered oil can be entirely processed in refineries. Due to the proprietary process the company implements, the utilized membranes last years before they need to be replaced. Together with very low specific energy consumption the operational costs of an APATEQ oil-water separation system end up at costs as low as USD0.50 per barrel, which represents only a fraction of the treatment costs of conventional market solutions. APATEQ develops and manufactures turn-key, custom designed oil-water separation systems for oilfield operators, compact wastewater treatment plants for demanding applications, ultrafiltration or reverse osmosis systems for industrial wastewater and advanced, low energy and chemicals free pre-treatment systems. ■

Valmont Offers Longer Spans

Valmont Irrigation, the manufacturer of the Valley brand of irrigation equipment, is dedicated to providing producers with innovative agriculture solutions such as longer spans, up to 66 meters, for center pivots and linears. Producers can maximize their return on investment with longer Valley spans by increasing irrigated areas for greater returns and reducing per hectare costs. Longer spans decrease the initial investment in center pivot and linear machines by reducing the number of tires, gearboxes, and motors that need to be purchased. Plus, the reduced wheel tracks that come with longer spans mean more crops can be planted. "Increasing span lengths gives producers a lower cost per hectare option without sacrificing the quality they have come to expect in Valley equipment," said *Scott Mauseth*, Director of International Service and Product Development for Valmont Irrigation. ■

The longest valley irrigation span in a wheat field