



*Water & Energy*

Over 30 years of experience in sludge treatment technology

## Introducing DEWACO

DEWACO Ltd, formerly known as DWT-Engineering Oy, was established in 1986, is primarily engaged in global environmental issues, assisting its customers to play an active and contributory role in the war against environmental related issues.

The company provides complete sludge thickening, dewatering and sludge removal systems. Its combined process technology in sludge treatment has been successfully implemented in both municipal and industrial applications. All products are designed for a long and reliable working life with minimal operational and maintenance costs. In addition, DEWA equipment can be easily integrated into existing systems.

With headquarter in in Laitila, Finland and sales office is Beijing, China, the company prides in the fact that it represented in over 25 countries with the installations in more than 90 countries worldwide.

The year 2013 saw a landmark change in the history of DEWACO, when the **ECONET**, a leading Finnish consulting and engineering consortium, acquired DEWACO as its business expansion. This business acquisition has created a unique offering that covers entire sludge water and wastewater treatment processes.



Engineering

Manufacturing

Execution

After Sales

## Technology Leadership

DEWACO's is focused in identifying the various demands of it's customers; it is through customer conscious and friendliness we provide high quality products and flawless services to the most demanding clients. Through this sterling service, the company has achieved worldwide recognition in the water industry. DEWACO not only designs equipment but provides sustainable solutions. To meet the strategic demands of the clients, the company's extensive service cover full scale solutions from planning, functional design to engineering, manufacturing, delivery and the entire commitments features cropping up in the project. Our high flexibility enables us to match production capacity to market demand, working tirelessly to ensure that our products and our approach are just what you need.





# What We Have To Offer

DEWACO offers on a global scale a quality portfolio of high value added sludge treatment technologies and solutions.

Over three decades of experience in sludge treatment products and solutions, we have the capability and competency to provide the best solutions for you. Our market-oriented innovation guarantees an up-to-date product portfolio with an innovative products that are better in performance and reliability.

Depending on the application, we select and design the most compact and cost effective solutions to meet your demands.



Sludge & Scum Removal Systems	Sludge Thickening	Sludge Dewatering	Accessories
↓	↓	↓	↓
APPLICATIONS	APPLICATIONS	APPLICATIONS	
Primary Clarifiers	Municipal Wastewater Applications	Municipal Wastewater Applications	Polymer Makeup Units
WWTP Secondary Clarifiers	Water Works	Water Works	Flocculators
Water Works Settling Tanks	Pulp & Paper	Pulp & Paper	Conveyors
DAF		Food & Beverage Industry	PLC
API (oil refineries)		Slaughterhouse	Complete Ancillary Items
Desalination		Tanneries	
		Power Plant Wwtp	





## Your Business Is Our Business

### Global Presence to Support Your Business

We want to be your partner in growing your business. We want to know what challenges you face, how you view new developments, how you plan to grow, and where you need greater efficiency. We want to meet your needs and offer you added value for both now and in the longer term.

Being part of your solution means being part of your business. Backed by our global presence we can respond quickly to your needs, wherever you are located.

Scandinavian by origin, DEWACO has grown into a global player active on every continent. You can rely on a worldwide sales network that is responsive to market changes. DEWACO believes that its performance is directly related to the skills and motivation of its people. You will be working with highly trained and result-driven professionals whose constant aim is to create added value for your business. This way, you get the most from our global reach: our expertise, our efficiency, our proximity.



### A Novel Approach

As a reputed company, DEWACO is dedicated to deliver the goods to the maximum satisfaction of the costumers. The company's comprehensive product range covers the full sludge treatment equipment, and its progressive concepts and sustainable designs and solutions shortens the time flow of the process.





## DEWA Sludge Thickening & Dewatering Systems



### Sludge Thickening & Dewatering

Liquid sludge can be easily thickened and reduced to a solid cake via mechanical sludge thickening/ dewatering process. This reduces the volume of liquid sludge significantly, usually resulting in a quite substantial net saving in sludge disposal costs.

As sludge treatment specialist DEWACO LTD has developed various concepts for different sludge thickening/dewatering applications. With over thousands of installations worldwide, DEWA offers total solutions for thickening and dewatering that provide super performance, mechanical reliability, and durability, and user-friendly features.







### Total Solutions With Up-to-date Technology

DEWACO LTD has developed various concepts for different sludge thickening and dewatering applications. With over 1000 installations, DEWA offers a full range of thickening and dewatering equipment that provides superior performance, mechanical reliability, product life, and features.

Current trends clearly illustrate that the demand for mechanical dewatering equipment is increasing. More and more consultants and experts are specifying gravity belt thickeners and belt filter presses over other dewatering equipment due to its excellent performance and low energy consumption. As a company well experienced in the field of sludge treatment, DEWACO always strives to remain a forerunner in this field.





## SWEDEN Case Study

GRYAAB SLUDGE THICKENING FACILITIES,  
GOTHENBURG, SWEDEN

Opened in 1972

Plant capacity: 350,000m<sup>3</sup> (PE 830,000)

Gryaab, the regional sewage works of the Gothenburg region in Sweden. The WWTP of Rya (one of the two WWTPs of Gryaab) is one of the largest WWTPs in all of Scandinavia.

Gryaab treats wastewater from its joint owners, the municipalities of Ale, Göteborg, Härryda, Kungälv, Mölndal and Partille on the Swedish west coast. Gryaab also operates a 120 km long tunnel system, which transports wastewater from within the region to the Rya WWTP.

Project completion:

2004 (phase I) / 2008 (phase II)

Customer:

Gryaab AB

<http://www.gryaab.se/default.asp>



## DEWACO supplied full package for sludge thickening comprise of:

2 nos. Heavy duty Belt thickeners type BTN2535 (Phase I) belt width 2.6m (each hydraulic capacity 100 m<sup>3</sup>/hr, d.s. loading 1400kg/hr), along with peripheral equipment.

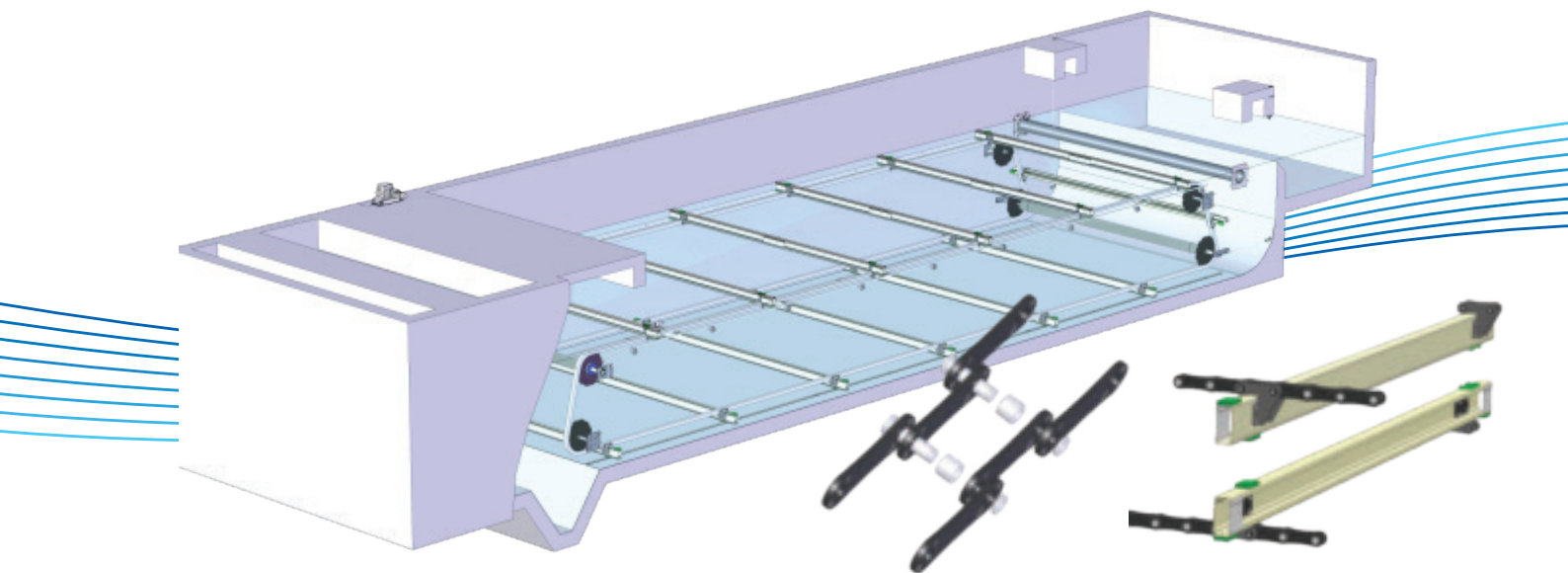
4 nos. Heavy duty Belt thickeners type BTN2535 (Phase II) belt width 2.6m (each hydraulic capacity 100 m<sup>3</sup>/hr, d.s. loading 1400kg/hr), along with peripheral equipment.





## DEWA Sludge Removal Systems (Chain & Flight type)

Rectangular clarifier provides a friendly layout option with minimum dead space between the units, as these units can install parallel or multi-deck clarifiers. The removal efficiency of the chain and flight type collector mechanism is higher than that of any other scraper design. This is due to the large number of scraper flights. In addition power consumption and maintenance costs are considerably low. These mechanisms comprise non-corrosive components including collector chain, head and idler shaft sprockets and scraper flights, which not only ensure easier erection due to their light weight but also in-service lifespan. DEWA systems are designed to operate in clarifiers up to 100m long and 12m wide as well as DAF, API tank (refineries) and desalination applications.



### Why DEWA is the choice?

DEWA Chain & Flight Sludge and Scum collectors are reliable, cost effective and user friendly. These remarkable features have enabled DEWA to be one of the world leaders in sludge and scum removal system throughout the world.







## DEWA Sludge Removal Systems (Chain & Flight type)

Today, there are over 1000 DEWA sludge and scum removal systems in operation throughout the world in various applications, including water, wastewater, API and desalination. Appreciation to our professional partners who emphasize on quality & reliable product rather than cheap ineffective systems.



### The Certified System

The DEWA chain & flight type sludge and scum collector systems have been approved for use in drinking water and other comparable applications by a reputable institute in Europe.

This is the first ever test to be carried out for this kind of system in order to exhibit the safety of materials and components used in the chain and flight collector system for a potable water treatment application. The quality of drinking water is a prerequisite for our well being. Therefore, it is vital to test all of the components and materials individually and carefully prior to use, as there are so many substances that could be injurious to human health. DEWA is at the forefront in providing human-friendly systems and solutions with the aim of preserving all valuable life on our planet.





## DEWA Sludge Removal Systems (Chain & Flight type)

### BELGIUM Case Study

BRUSSELS-NORTH WWTP

Aquiris, a branch of the international group Veolia, was founded following a call for tender issued by the Brussels -Capital Region for the design, construction and operation of a wastewater treatment plant in Brussels-North for a period of twenty years.

This plant treats the wastewater produced by 1.4 million inhabitants.

Project completion:  
March 2007

Customer:  
Veolia Water (OTV-France)



### DEWACO supplied

- 48 sets of sludge and scum collectors (58m x 5.8m)
- 24 sets motorized scum pipes (12m)
- 2 sets motorized scum pipes for actiflo tanks (12m)

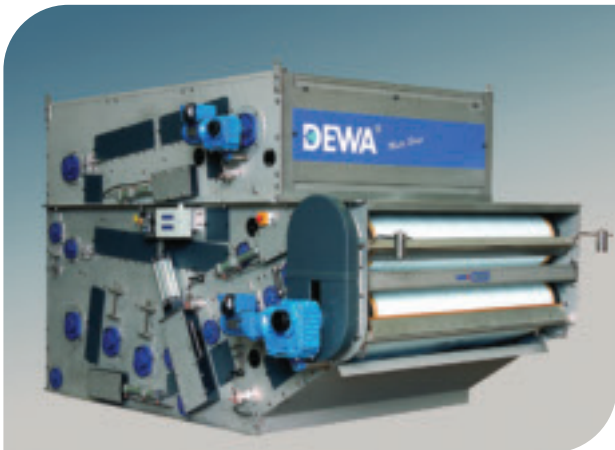






### Our Dedication

The difference in DEWA is its dedication to combining innovative technology with proven components for a high performance, integrated dewatering system.



### Providing The Best

Continuous research, product development and on-site analysis have enabled DEWACO to stay on the cutting edge of sludge treatment technology. This results in the provision of reliable, sophisticated, operator friendly and cost-effective solutions for all types of applications.

### Custom-Engineered

DEWA products are designed, manufactured, and installed according to our customer's applications. As a result, we have a large range of custom-engineered gravity belt thickeners, belt filter presses chain & flight type sludge and scum collector system and peripheral equipment that can be modified to meet any water and wastewater applications. With a sound understanding of engineering and sophisticated technologies, DEWACO engineers are committed to provide complete solutions as well as individual tailor made equipments. DEWACO works hand in hand with customers to ensure a sustainable future for our environment.







## Total Service Approach

### Teamwork

DEWACO creates an environment that motivates meaningful and profitable teamwork. Management and leadership participation in in-house activities and with customers further promotes and fuels teamwork. The company welcomes effective communication and interaction by working closely with each customer.



### Training and After Sales Service

No product however excellent can perform unless it is properly selected, sized, manufactured, erected, commissioned, operated and maintained. DEWACO is fully aware of its responsibility to its clients in this respect.

DEWACO has well trained, experienced and competent service engineers who are constantly in contact with customers to ensure proper operation and maintenance of their systems. We consistently offer our services and guidance in every difficulty experienced by the customer.

We emphasize on trainings for our clients on the operations and maintenance of our systems to ensure optimum performance and durability.

Our after sales service has proven to bring us repeated sales from our worldwide customers.



## Confidence in DEWACO

We offer gratitude to our clients, small and large, who help making DEWACO thrive and grow to greater heights throughout the years. Faced with many different technical needs which demands multi faceted technical expertise, we have enjoyed success with...



### Imagine What We Can Achieve Together

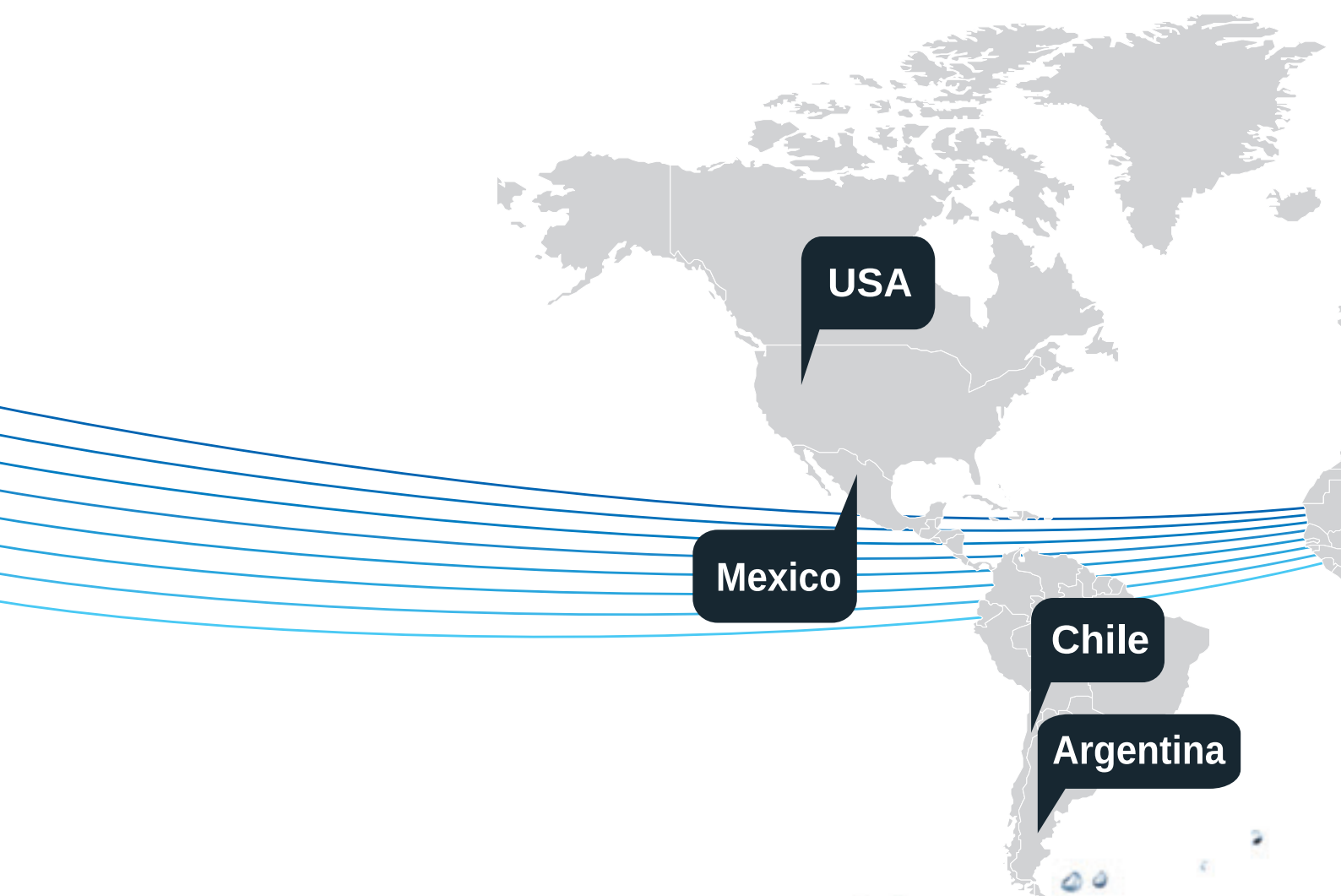
Would you like to learn more about the solutions we offer?

Are you interested in any of our products or services?

Please don't hesitate to get in touch. We would be delighted to talk about how we can work together.



DEWA across the world, references over 90 countries



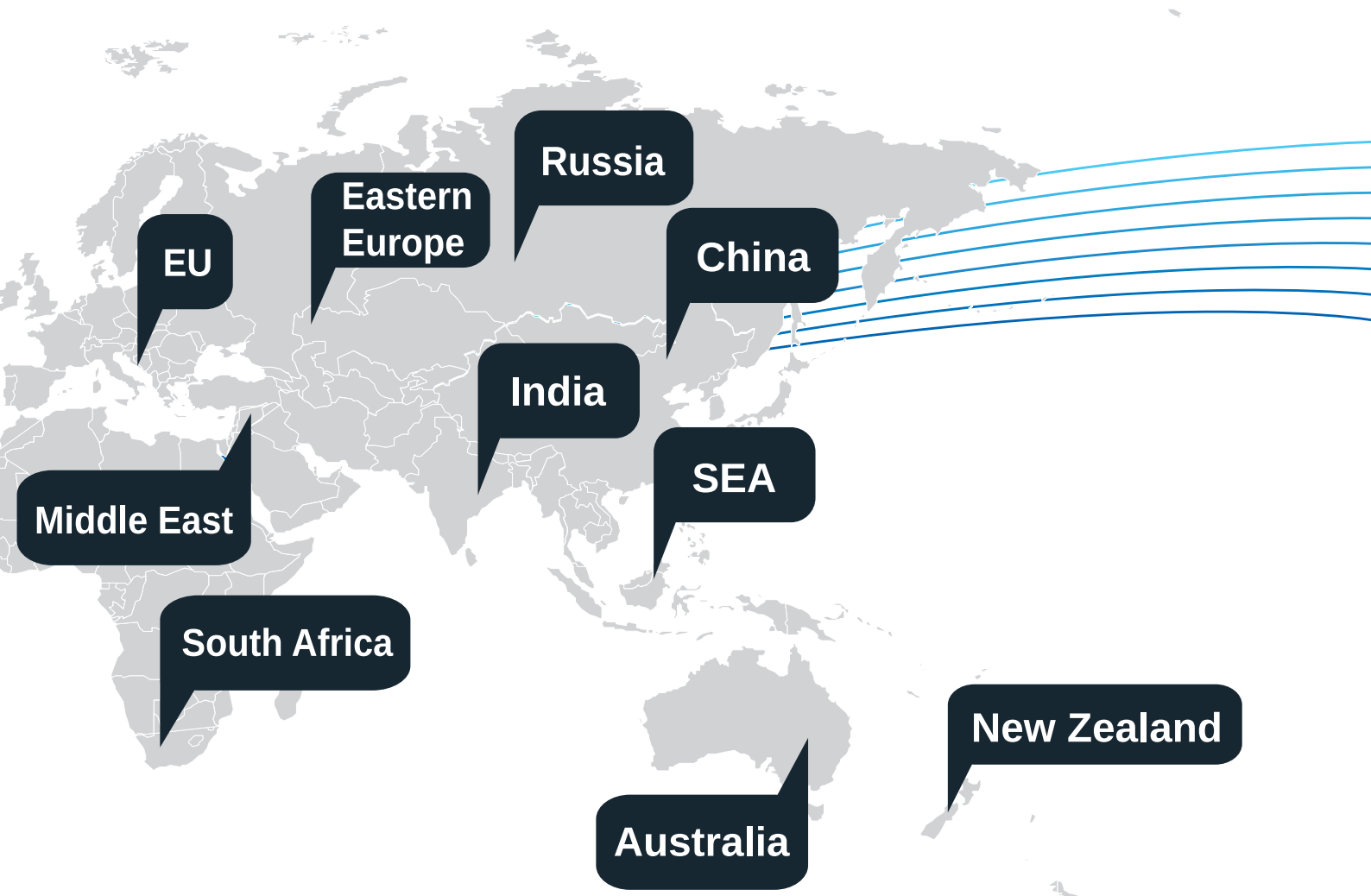
### Global Provider

As a global provider of sludge treatment solutions, DEWACO is working hand in hand to satisfy the need of its clients. Its flexible approach to working with clients in this particular area enables DEWACO to offer an array of service designing through implementation and after sales service.

DEWACO's track record of delivering sophisticated solutions on-time and on-budget has earned worldwide recognition. As is their project delivery methods which include customized and flexible alternatives.









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