



HILLER can provide competent solutions for these industries and applications:

		<p>Food and beverages</p>
<p>Mineral oils, gas and regenerative energy</p>		
		<p>Chemical processing and pharmaceutical industry</p>
<p>Environmental technology</p>		
		<p>Mining, tunnel construction, mineral raw materials and drilling fluids</p>



HILLER

separation & process

NEWS 2011

GERMANY AUSTRIA INDIA
EDIBLES OLIVE OIL
 GREECE SPAIN ITALY
MINERAL OIL NATURAL GAS
 HUNGARY TUNISIA USA
RENEWABLE ENGERY
 RUSSIA MALAYSIA CHINA
CHEMICALS PHARMA
 GERMANY - BAVARIA EMIRATES
ENVIRONMENTAL TECHNOLOGY
 CHINA TURKEY ENGLAND
WASTEWATER TREATMENT
 AUSTRIA GREECE RUSSIA
MINING TUNNELING
 SPAIN ITALY INDIA POLAND

EN

Dear Customers and Readers,

Today I'm writing to you to inform you of a happy event:

This year our company will celebrate its 40th anniversary!

A good opportunity therefore to look back at the past and the journey we have undertaken together.

Forty years ago my father founded Ingenieurbüro Hiller. It is hard to imagine now, but his intention back then was simply to establish a design office for machinery and equipment, without engaging in any manufacturing activity himself.



It took just two years, however, for the newly-established company to sign an exclusive agreement with the Klöckner-Humboldt-Deutz Group, under which Hiller agreed to design and manufacture certain decanter sizes for KHD. Hiller transferred the licence rights for other sizes, such as the very successful S4-1, to KHD. All decanters manufactured under this licence carried the inscription "System Hiller". This essentially laid down the foundation for a partnership that would last a quarter of a century, and in the course of which Hiller GmbH (founded in June 1977) would produce almost 2500 machines for KHD, not including the Hiller models produced by KHD and partners under licence.

At the same time as carrying out this work for KHD, Hiller also started working on its own innovative idea for olive oil extraction using decanters. This remains one of our core business areas today, and is a prime example of how we work: we identify interesting tasks, and then purposefully develop precise and optimal solutions to these tasks.

When in the late 1990s the KHD Group plunged into crisis and eventually collapsed, my father took the difficult decision of ending the 25-year collaboration with KHD and to sell the newly-developed DECAPRESS series on the market under the company's own name. Since 1999 therefore we have been present on the market as Hiller GmbH, and no longer stand in the shadow of a large partner. This time of transition can almost be compared with a second start-up phase due to the significant challenges we had to overcome. But thanks to your loyalty and support, and to our common interest in the quality and reliability of our machines and service, Hiller GmbH has not only survived this rebirth well, it has since grown enormously. My thanks go to all of you therefore. Without you we wouldn't be where we are today.

Despite this growth however, Hiller GmbH is and remains a medium-sized, family-run company. We are proud of our achievements, and also of our employees who provide it. Our first priority are our customers and the tasks they approach us with, trusting that we are best placed to resolve them for them. We also see the people behind each task, and practise an open and honest relationship with our customers on a daily basis.

Precisely for this reason I can promise you that we won't follow the "cheap printers, expensive cartridges" trend. We offer and have always offered real quality right from the start, and for us after-sales isn't an opportunity for profit maximization but for honest and cooperative customer support.

I am sure that these promises are also in line with what you want, and that we can therefore look forward to an interesting and successful future together.

As always at this point, I warmly invite you to visit us at one of the many upcoming trade fairs, or to contact our sales or service department to arrange a factory visit. If you have any requests or suggestions, please do not hesitate to contact our staff team or myself personally - we're happy to help in any way we can.

With best wishes from Bavaria and "Vergelt's Gott!" - our way of saying "Thank you!".

Yours sincerely Georg Hiller

**We celebrate: 40 years HILLER,
the new DecaPress,
our decanter no. 5000**



**The new HILLER DecaPress -
the new benchmark for reliability, service friendliness, quality, and efficiency**

HILLER's DecaPress high performance decanters have a reputation of meeting guaranteed performance, and of offering high quality, service friendliness, reasonable maintenance costs, and reliable stable operation. We have further improved all these well-renowned and

proven strengths of the HILLER DecaPress. Consequently, the new DecaPress generation is superior to all other decanters in those aspects which are really relevant in practice.

INDEX

Projects | Product applications | News | Fairs | Internal | Service | Sales partners

Page:		Page:	
3	> The new DecaPress	13	> Record with our new HILLER Food Design at Ceres Fruit Processors in South Africa
4 - 8	> 40 years of HILLER GmbH milestones from 1971-2011	14	> Jesolo and Caorle: Start up of the sludge dewatering plants
9	> MSE HILLER shares anniversary	14	> New Hiller Sales Office in Berlin
10 - 11	> HILLER - centrifuges now in USA	15	> Whatever happened to... ... the S3-0 with machine numbers 4568 and 4569 shipped in 1987?
12	> Modern olive oil production with HILLER 2-phase decanters		
12	> Success in Debrecen, Hungary		

40 years of HILLER GmbH

The time is already upon us:



This year **HILLER GmbH** is celebrating its **40th anniversary**, providing the opportunity to look back on 4 decades of experience in developing and manufacturing decanter centrifuges. At this landmark event, we would also like to take the opportunity to reflect on the key events in the company's history with you once again:



Milestones... The foundation phase

01.11.1971 - Zero hour: Forty years ago on that date, Georg Hiller Sr. founded the company **HILLER** in Vilsbiburg, at that time a consultant engineering firm, together with Hans Hiller and Josef Oberhauser. Initially the company's headquarters was not at the current site in Schwalbenholzstraße, but "at the Maier site" in Bergstraße.

A lot of hard work went into the foundation phase and there were many sleepless nights. Looking back, we can say that the **HILLER** team pulled together right from the start and were therefore able to overcome a number of major hurdles.

27.08.1971 - The first job: Project planning for a centrifuge in the city of Cologne.

Orders from many other cities followed.



The Founders

Head of the founder team !

Owing to his brilliant engineering skills, **HILLER centrifuges** reached optimal results.



Georg Hiller sen. - Born: 31st May, 1927

The man at the forefront !

His successful test runs in various areas of application worldwide brought **HILLER centrifuges** an excellent reputation.



Josef Oberhauser - Born: 18th May, 1940

First Production Manager of the company !

Due to his efforts, **HILLER centrifuges** could be manufactured and delivered to the highest quality.



Hans Hiller - Born: 28th February, 1934



HILLER

1971 = 2011

Milestones... HILLER & KHD

19.07.1972 - Start of in-house production: Everything began on this day with an order for 4 x type S2-1 decanters in a standard steel design. From this point in time, **HILLER** no longer took on only project planning work and also began manufacturing decanters in-house. Initially the production plant was at the site owned by the Wagenbauer family near the village of Wurmsham, and later on in the "Helbig House" in Industriestraße in Vilsbiburg.

In 1977 the workshop and then the first part of the office building was constructed at the current site, and **HILLER** changed from being a partnership to a limited liability GmbH company.

Initially, **HILLER** only manufactured decanters for the company **KHD**. The basis for this was an exclusive contract for the production of decanters up to a bowl diameter of 650 mm. In addition, **HILLER** assigned a licence to **KHD** to manufacture other decanter models including probably the best known example, the S4-1, of which there are many still in use today.



As well as business relationships, friendships developed between employees at the two companies **KHD** and **HILLER**; there were visits between both sites, and football tournaments were even held between the companies. Many of these friendships still hold today and some of our former **KHD** colleagues are now part of the **HILLER** team.



Milestones... HILLER founds its own site

In 1996 the **KHD** company encountered financial difficulties and its decanter division was sold to an American company as part of its economic recovery. **HILLER** wrestled with the decision to end the 25-year collaboration, and at the start of 1999, **HILLER** launched the **DecaPress high-performance decanter** onto the market under its own label, and began to develop its own sales infrastructure.

Since then, **HILLER GmbH** has enjoyed considerable success as a manufacturer and supplier of decanter centrifuges and systems for solid/liquid separation and is now one of the world's leading technology companies in the sector. The reputation of the **HILLER olive oil decanter** is now almost legendary, and it is only a matter of time until our virtually matchless solutions for drilling fluid and juice production will have secured a similar reputation.

In 2000 the first section of the office building was expanded, and in 2004 **HILLER** acquired an additional site measuring of 7583 m², on which in 2005 it built two new warehouses. In the same year, the second section of the office building was expanded. In 2008 another new assembly hall was built, along with a new grinding shop and an additional parking area. In 2011 construction work for another assembly hall is already scheduled.

Since our sales department was founded in 1999 the number of employees has increased from 57 to 171. More than 70 trainees have successfully completed their apprenticeships at **HILLER**.



HILLER

1971 = 2011

Milestones... New range of decanters

One of our most important milestones in recent times has without doubt been the development and, to coincide with our anniversary, the market launch of our new **DecaPress** range that thanks to its new design runs not only more energy efficiently and with a higher capacity, but also offers even more advances such as the revolutionary new drive technology, **HILLER SEE Drive** (Stationary & Energy Efficient). The ease of handling of the current **HILLER DecaPress** models which has become famous around the world has been retained. The prototype of the new **DecaPress** was presented at IFAT 2010 and has generated a significant amount of interest with customers and sales partners.



With this new generation of decanters, **HILLER GmbH** has once again asserted its claim to technology leadership.

Milestones... The HILLER team

The fact that we are a strong team at **HILLER** is not to be overlooked. This has enabled us to come out of the financial crisis relatively unscathed, because we have a common goal and are still all pulling in the same direction.

So once again, **"THANK YOU!"** to all our employees - we could never have done it without you!

And a huge thank you naturally goes out to our customers and sales partners as well; **many thanks for the trust you have placed in us and for your valued collaboration!**



MSE HILLER shares anniversary



While we are all enjoying **HILLER's** 40th anniversary celebrations, it is also time to mark **MSE HILLER's** 10th anniversary in the UK. This partnership with **HILLER** has been one of the most exciting developments in the centrifuge industry where the company in this short time has become the no.1 choice for many of the UK water companies for new machines. **MSE HILLER** also has the largest and most modern fleet of mobile plants in the UK offering temporary dewatering.

To back this up the company has invested in a state of the art centrifuge service centre in Chesterfield in the English midlands just off the main M1 motorway.

This allows fast access to the whole of the UK market allowing **MSE HILLER** to give the best response times to all customers.

The service centre includes high speed balancing, specially designed cranes for **MSE's** mobile rigs, laboratory and training facilities.

Sales Director, Huw Thomas, says, "This multi-million pound investment has allowed us to become the market leader in a number of sectors in a short period. We have been listening to our customers and all aspects of the new workshop have been designed with their feedback in mind".

HILLER's position in the market place is further being consolidated by new office development alongside the workshop. This allows **MSE HILLER** to bring all sales, engineering and management functions onto one site.

The new offices total some 1200m², and have been designed with **MSE HILLER's** ISO14000 environmental objectives in mind. This also allows to bring **MSE HILLER** in closer cooperation with **MSE's** plant design company **MSE Systems**. The shared resources will include admin, welfare, customer reception facility, and 24 hour manned monitoring station for **MSE's** plants.

Ivan Fomin, Managing Director, explains, "This investment has only been possible with the long term commitment and strong relationship we enjoy with **HILLER**. Once again this shows our customers and our workforce the long term commitment to growth we have planned. These are challenging economic times but with innovation and true partnership we see a strong and positive future.

This is an exciting industry to be in and we wish **HILLER** all the best for the next 40 years!"



HILLER - centrifuges now in USA

We are pleased to announce a big step forward for **HILLER GmbH** with the launch of **HILLER's** USA subsidiary **HILLER Separation & Process LLC**. The Water Environment Federation Bio-Solids Exposition and Conference in Sacramento, CA was chosen as the ideal platform to announce this major expansion.

It was a perfect opportunity and strong interest and encouragement was received on our booth attended by Tony Langley for **HILLER USA** and our Distributor in the North American Market for municipal applications, who is the **WasteTech division of Kusters Zima Corporation**. Further to the cooperation with **WasteTech** a partnership with **US Centrifuge Systems** has been initiated for industrial applications. Apart from serving these two distributors with know-how and general sales support, the main focus for **HILLER LLC** in fact is to maximize closeness to the installed base by offering expert commissioning and optimizing, laboratory and pilot tests, field service, troubleshooting, and last but not least repairs and rebuilds with the know-how of the original equipment manufacturer. Although there are over 250 **HILLER**-built machines in service for many years now in North America, this is the first time that the **HILLER** machine will be sold under its rightful name.

A program to maximize awareness of the **HILLER** name is underway and an advertising campaign has been initiated allied with the WEFTEC Exposition in Los Angeles in October when we will show the **HILLER** centrifuge to the 24,000 attendees.

This year is significant in that it heralds **HILLER's** first direct sales and after-sales enterprise in USA and the news has been well received by Clients and Engineers alike. It demonstrates **HILLER's** commitment to the US market and their dedication to optimally serve their existing and new customers – directly and with all the know-how one of the leading decanter producers can offer.

HILLER's US subsidiary: "HILLER Separation & Process LLC"

In the past, KHD with their various sales channels and partners through the decades (typically simply known as "Humboldt"), US Filter, and Siemens Water Technologies were **HILLER's** channels for supplying their machines to the US market.

Early 2011 this has changed, when **HILLER Separation & Process, LLC** was founded, as a 100% Hiller owned subsidiary of **HILLER GmbH**, designed for two purposes:

- (1) to establish technical sales support for new equipment sales in the United States, and
- (2) to provide a customer service center (second to none in the industry) to our existing (250+) installations.

The center point for our activities in the US is our Business Development Manager for **HILLER Separation & Process LLC**, Mr. Tony Langley. Tony's history of knowledge in the water, wastewater, and industrial industries speaks for itself.

His impressive resume consists of well-known and competitive companies such as Andritz, Ashbrook, and Siemens, and with over 30 years of experience, **HILLER** felt certain that he was the "man for the job". Tony has established relationships with manufacturer representatives all over the US as well as the **HILLER** installation base.

In Tony's own words: "HILLER Separation & Process, LLC started business this year in February, 2011. To found their own subsidiary in the US was an important step for Hiller, one main effect being "name direct to customer". We are located in Lampasas, Texas (USA), and our purpose is to provide the following:

- A (24/7) 1-800 telephone number for our service response team
- Capability of pilot testing for new equipment sales
- Stock spare parts
- United States service support team
- Feasibility testing center
- Rental capabilities
- And simply: To provide customers in the United States the same extraordinary products and services as in Germany

Since Siemens no longer carries the Centrifuge product line, now is the time to focus on the US market directly. With the help of WasteTech, located in Spartanburg, South Carolina, and US Centrifuge Systems in Indianapolis, Indiana, needless to say, the excitement of this new company is overwhelming!"

Industrial Projects: **US Centrifuge Systems**

Originally founded as US Centrifuge in 1992 by a core group of former Equipment Engineering / Alfa Laval employees with many years of centrifuge experience the company began with the original purpose of designing and producing an American made range of liquid / solid separating vertical bottom dump basket centrifuges with advanced technology and greater processing performance. Driven by new customer applications, in 2001 US Centrifuge expanded its product range offering decanter centrifuges to handle larger flow rates, higher solid loads, and larger dewatering processes.

In 2010 US Centrifuge was purchased by the Dilling Group based in Logansport, Indiana. Dilling Group is one of the largest non-union industrial engineering and mechanical / electrical contractors in the Midwest / Southeast with over 600 employees. Dilling Group specializes in the design and construction of complete facilities including ethanol and bio-diesel plants, sugar refineries, steel mills, and much more.

With the formation of **HILLER's** alliance with US Centrifuge Systems as their primary industrial application agent / distributor for North America, US Centrifuge System has also committed to ramping up service and repair capabilities to assist **HILLER** as one of their primary US based service centers.

US Centrifuge Systems will also begin a strategic focus on repairing KHD / Humboldt units installed in North America with factory assistance from **HILLER**. US Centrifuge Systems will continue working with their traditional industrial decanter applications and will also give focus to the food and waste oil processes.



Like **HILLER**, US Centrifuge Systems takes an innovative and personal approach to the centrifuge business by partnering each customer with an experienced team that assists and oversees every step of the centrifuge purchase process, asking all of the important questions and ensuring that all of the client's needs are met.

Municipal Projects: **WasteTech division of Kusters Zima Corporation**

Kusters Zima is a custom designer, manufacturer and fabricator serving the wastewater, carpet, textile, non-woven and torrefaction industries.



Founded in 1974 in Spartanburg, SC as a joint venture of Zima Corporation and Eduard Küsters Maschinenfabrik GmbH, called Küsters Corporation, the company quickly established an excellent name for quality and reliability of its products.

Initial product offerings served for the carpet and textile industries followed by products for the paper industry in 1985. Today, Küsters Corporation is better known as Kusters Zima Corporation. Diversification and expansion into other fields has been continued, such as wastewater treatment, fuel cell technology, and the food industry.



A milestone in the expansion into the wastewater industry was the acquisition of Waste-Tech, Inc. in 2007.

WasteTech was founded in 1978 and over the last 30 years has been responsible for introducing many of the technologies that are widely used today. In the 1980's **WasteTech** introduced their XGT vortex grit system, which is used in hundreds of municipal and industrial treatment plants today. **Waste Tech** has been responsible for releasing the first large scale perforated screen for installation in wastewater treatment plant headworks and, in subsequent years, has contracted more than 350 screening systems throughout the US and Canada. They have assumed a leadership role in the supply of large scale 0.5 and 1.0 mm perforated rotary drum screens for use ahead of MBR systems and have multiple successful installations to support the selection of this technology for our customers.

Waste-Tech's fifty five sales offices providing full coverage throughout North America will be harnessed to the task of bringing the **HILLER centrifuge** equipment into the market.

Modern olive oil production with HILLER 2-phase decanters



Within the scope of the continuous efforts for modernization of the olive oil mills in Greece in the last years, with specific focus on the change from three-phase to two-phase production systems, the sector has experienced important investments which resulted in replacement of many of the older olive oil machines with more modern and higher capacity plants.

HILLER GmbH is proud of its significant presence in many of these projects through its sales agent in Greece, **EKEM S.A.** One such project was implemented with great success by **HILLER GmbH** and **EKEM S.A** in Peloponnese, in October 2010. The olive oil mill, owned by an agrarian cooperative named **COOPERATIVE OF KALIDONA**, is located in Prefecture Elia which is one of the most famous olive oil producing regions in Greece.

The new equipment which consisted of olive oil extraction machines manufactured by **EKEM S.A.** and of a **HILLER OV550** olive oil decanter was installed in the fully refurbished building of the cooperative, composing this way the image of a role-model oil mill.

The cooperative is more than satisfied with the performance of the machine. Moreover, figures speak for themselves as during its one olive oil season operation the machine has effortlessly processed more than 3.000.000 kg of olive crop, a quantity quite large compared to the region's average.

The two-phase-process splits the olive mash in two phases: the olive oil and the husk (also known as **alperujo**, Spanish term) which consists of the solids and the vegetable water originating from the olive.

The three-phase process splits the olive mash in three phases: the olive oil, the husk (also known as **orujo**, Spanish term) and the wastewater, which consists of the vegetable water and the additional fresh water.

Nearly four decades ago **HILLER** has conducted their first trials to produce olive oil with decanter centrifuges on Crete, Greece. At that time vertical hydraulic presses were the state of the art.



Since that time the three-phase-system was the first choice as several goals can be achieved at the same time: production of olive oil, separation of the wastewater and dewatering of the husk. Also the high dryness of the dewatered husk is one of its great advantages. The drawback of the three-phase-process is that it requires the addition of significant quantities of fresh water to the olive mash fed to the decanter in order to achieve a satisfactory separation result. In the course of the separation process this added fresh water eventually becomes a hard-to-clean wastewater ("black water") which adds environmental problems to the problem of potable water consumption.

Due to this reason Spain has been the first country to pass a law which prohibits the disposal of untreated water from the olive oil mills. As a consequence some fifteen years ago the two-phase-process became the standard in Spain. Now the husk is wetter but the big advantage of the two phase process, amongst others, is that no fresh water addition is required.

Greece doesn't have a similar law yet. But more and more local authorities dictate that the two-phase-process is to be used. And many of the olive oil owners see the advantages of that process and change their existing process from three- to two-phase on their own initiative.

Success in Debrecen, Hungary

AQUINNO Service



In **HILLER News 2_2009** it was reported that **HILLER's** exclusive sales partner for Hungary, **AQUINNO Service Kft.**, were awarded the design and delivery of the sludge thickening and dewatering lines for the Debrecen WWTP Enlargement and Modernisation project. For the thickening of primary sludge one **HILLER DecaThick DT54-422**, for the thickening of surplus activated sludge two **HILLER DecaThick DT58-422** centrifuges and for the dewatering task three **HILLER DecaPress DP54-422** decanters were delivered at the end of 2009.

With these 6 machines, now already operating, Debrecen WWTP became **HILLER's** largest installation in Hungary.

The start-up of the new DP and DT machines was in summer 2010. The results during the test-run period give reason to be proud both at **HILLER** in Vilsbiburg and at **AQUINNO Service in Pécs**.

Thanks to the quality of the feed sludge as well, the rotors' speeds can be kept at low levels and the energy consumption of DP and DT machines is even more favourable than expected.

Optimal cake dryness is achieved very economically, because no polymer is needed for thickening and for dewatering only a fraction of the amount international experience would suggest

is required. The positive results so far indicate that also in the future the centrifuges will ensure the required technology parameters and the operators will be satisfied in the long-term.

The biggest **HILLER** installation in Hungary becoming reality and an important client being satisfied and happy is a nice gift for a 40th company anniversary!

Record juice recovery with the new HILLER Food Design at Ceres Fruit Processors in South Africa

CFP have taken over our demonstration machine based on good performance to produce cloudy apple juice directly from stored apples. The yield from the **HILLER** decanter is much higher than comparable systems. The quality of the juice is outstanding and within the specs of maximum permitted fines. No additional separation step is required, i.e. from the apple to natural juice in one minute without any additional clarification of the juice!

HILLER and **UDEC** look forward to support our client to process many more different fruits to clear juice and purees.

Ceres Fruit Processors Ltd formed by **Ceres Group Limited** in 1976 is a company wholly owned by apple and pear growers in the Ceres valley. The strategic intent then and now is to provide its owners with a profitable avenue to add value for fruit not suitable in the fresh fruit market and supply its products to an ever growing demand in the fruit juice and alcoholic beverage industries.

The industry **Ceres Fruit Processors** supply is the commercial beverage industry. Although not directly involved in the marketing of consumer brands the products **CFP** manufacture is a vital ingredient to local and international beverage brands.

Within the commercial beverage industry the markets that is of most significance to **CFP** is the soft drinks, cider and flavoured alcoholic beverage (FAB) as collectively they represent 95% of markets **CFP** sell to.

The product lines include apple, apple cloudy, pear and carrot juice concentrates as well as apricot, guava, peach, strawberry, and youngberry fruit purees.

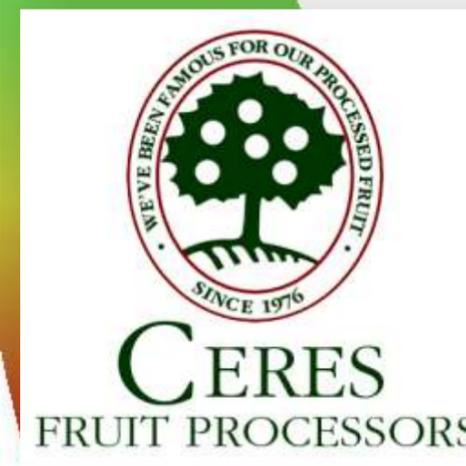
Its operation situated in Ceres, Western Cape is an excellent facility using the most appropriate technology available for the majority of its product ranges.

CFP successfully markets its products in Japan, North America, Europe, Middle East and Southern Africa. Its customers base consist of the major fruit juice bottlers and alcoholic drink manufacturers in the world and include Coca-Cola, Minute Maid, Cadbury Schweppes, Nestle, Ceres Fruit Juices, Tiger Brands, Distell and Diageo.

Statement from Anton Reinecke, Ceres Fruit Processors Ltd :

"CFP's interest in HILLER decanters was established when our engineer and quality managers visited a food processing factory in Germany. In this factory an operator told our managers that he preferred using the HILLER to a brand new competitor's model standing right next to it. This, in combination with HILLER's willingness to enter into a lengthy test process with a purpose-built new machine, at CFP's own premises, convinced us that we were dealing with the right partners. During the tests the operational strengths of the Hiller; excellent yields, high quality product, adjustability while maintaining full production and the ability to store lesson learnt as "recipes" for future reference, proved the suitability of the machine for CFP's requirements. In addition, we found the conditioner to be far superior, with quick adjustments possible.

The exhaustive tests proved beyond doubt that HILLER's decanter delivered even more than was promised. Based upon these results it was an easy decision to motivate to our board, who unanimously approved the purchase. We look forwards to a long and productive use of this machine and also to a long and productive relationship with HILLER."



Jesolo and Caorle: Start up of the sludge dewatering plants

The cities Jesolo and Caorle are two touristic coastal towns located in the Veneto region, Italy. While they are relatively small towns, the two WWTPs treat the wastewater for around 150,000 inhabitants each (180,000 Jesolo and 120,000 Caorle), furthermore a massive population increase due to summer tourism is coming up.



Up to the last year, the sludge produced in these plants was dewatered with belt filter presses.

In spring 2010, A.S.I. SpA, the public wastewater company operating the WWTPs, decided to replace the old belt filter presses, and therefore published a tender for the supply of centrifuge dewatering plants. All competitors had to conduct site tests with a mobile unit during both, the

preliminary as well as the final stage of the tender, in order to evaluate correctly the efficiency of the offered equipment.

HILLER was involved via their exclusive representative in Italy, **Huber Technology srl**, alongside another Italian competitor.

The final tests on the two plants were conducted in August 2010 and were carried out using a mobile decanter plant with a **HILLER DP54-422 HY VA** from one of our Italian customers.

The test results were very good (dryness around 30% in Jesolo, around 28% in Caorle) and the technical offering for the two WWTPs was also positively evaluated.

At the end of the year **Huber Technology srl** was awarded the contract to supply the dewatering units. In addition to the supply of two complete decanter plants (centrifuges and accessories, piping, electrical connections, etc.), the contract also includes the maintenance service for a period of 60 months.

The installation work for two **HILLER DP54-422 HY VA** including accessories was completed in May 2011 and the machines were commissioned with excellent results during the start up tests.

At the required flow rate of 35 m³/h the machines achieved a cake dryness of 30 – 32% DS. The customer is very happy with our system and is pleased with the successful project.

New HILLER Sales Office in Berlin

Our new office in Berlin will be overseen by Stefan Leu who has for the last three years been based in the office at the company's Vilsbiburg headquarters taking care of our overseas partners. Mr Leu will be taking over from Hans Schmidt (Hamburg sales office) who has been successfully managing the Northern and Eastern Germany Sales Region for the past 10 years and who from later this year will be enjoying his much-deserved retirement.

In preparation for his future responsibilities, Mr Leu has already been undertaking training with Mr Schmidt since the start of the year on managing this sales region and will have taken over the role completely by the end of the year. As Mr Leu is a Berliner born and bred, the move to the new Berlin office also allows him to return to his old hometown. Together with his colleagues Eugen Bengsch (Goslar office) and Michael Wielicki (Hanover office), Stefan Leu will be handling postcode areas 0, 1, 2, 30-31, 37-39 and 98-99 as well as municipal projects and industrial projects of all kinds, with a particular focus on the food and beverage sector.

We would like to wish Mr Leu a great start in his new role - every happiness and success in your new job! Mr Leu is available to answer questions at any time and can be contacted at the following address:

HILLER GmbH - Berlin Sales Office
Spechtstr. 5a, 14612 Falkensee, Germany

pho.: +49 (0) 3322 50 88 52
facsimile: +49 (0) 3322 50 87 69
mobile: +49 (0) 162 291 46 29
e-mail: stefan.leu@hillerzentri.de



Whatever happened to... ... the S3-0 with machine numbers 4568 and 4569 shipped in 1987?

In March 1987, **HILLER GmbH** was awarded the contract by its former, exclusive OEM partner KHD to supply two centrifuges from type S3-0.

With a high-strength carbon steel design and hydraulic scroll drive, the intended application for both decanters was to dewater the sludge produced in the WWTP Warthausen.

The machines were delivered at the end of July 1987 and successfully commissioned by **HILLER** personnel. The daily operating time for both machines was 10 hours each, with a 5-day week.

In 1994, after around 17,000 operating hours, the first overhaul was due for both machines. All ball bearings were replaced and a new protective coating was applied. Once the overhauled rotors had been re-installed, the decanters were ready for action once again.

Due to the level of sewage sludge that had accumulated in the meantime, both machines were fitted with a additional CP3-0 decanter centrifuge.

In 2000 after more than 32,000 operating hours, a further overhaul was commissioned as a precaution. In this overhaul process, the scroll lining was also re-conditioned, except for the ball bearings. The final test run at the head office in Vilsbiburg ensured that the machines were fully fit to be put back into operation.

By 2002 the situation had changed: the capacity of the two existing S3-0 and the CP3-0 machines was no longer sufficient to process the volumes of sludge being produced. A dewatering test requested at short notice using a **HILLER** decanter provided an impressive demonstration of the performance of the new **DecaPress** generation. The dewatering results achieved during the test, in combination with the minimal flocculant required, clearly showed that an investment in new equipment would quickly prove cost-effective.



Via a selective tendering which was received by a plant supplier, **HILLER GmbH** was awarded with the contract on the supply of three **DP45-422 VA HY**. In the course of this action also the switch boards were replaced. The two S3-0 machines, numbered 4569 and 4568 that were replaced by the new **DP45**, were subsequently sold on to a retailer for second-hand machines. The supplemented CP3-0 remained in service until 2003 in a waste disposal operation processing sludge containing oil.

MASTHEAD:

Editor:

HILLER GmbH
separation & process

Schwalbenholzstraße 2
D-84137 Vilsbiburg/Germany-Bavaria
Tel. +49 (0) 8741 / 48-0
Fax +49 (0) 8741 / 48-710
www.hillerzentri.de
e-mail: info@hillerzentri.de

Responsible for contents and editorial office:
Hiller Georg jun., Arnim Hertle,
Anja Lingott, Brigitte Kirmeier

Idea, conception, graphic-design, production, printing service:
© ANZO-Werbeagentur
Aichstraße 21, D-84163 Marklkofen
Pho.: 08732/930505
www.anzo-werbeagentur.de