



CHP Journal

November 2018 Newsletter of 2G Energy AG

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Preface



Christian Grotholt

Dear reader,

Has internal combustion been confined to the scrapheap of industrial history? If you follow media coverage, you might be tempted to reach this conclusion. E-mobility is set to make transport in the conurbations more environmentally friendly. Renewable electricity generation will continue as far as possible to rely on a combination of wind power, solar energy and storage technologies. The assumption is that the internal combustion engine will disappear

both in stationary and mobile applications, to be replaced by disruptive developments. However, a closer look at this topic reveals persuasive arguments that gas-fired CHP could be a promising component of tomorrow's energy supply.

The reason is that 2G gas engines can be fueled not only by natural gas but also by gases of renewable origin, e.g. sewage gas, landfill gas, biogas, pyrolysis gas (wood gas) and by hydrogen. Thus, even now, a large number of natural-gas 2G power stations can be used as an environmentally friendly substitute for coal and atomic power stations. In the future, more and more fossil gas feeds will be replaced by renewable feed-in capacities. In the next few years, the gas supply infrastructure currently under expansion will become increasingly "greener". And in the long term, 2G motors will run on hydrogen from excess wind and solar power – during "dark" periods. We sometimes say that we offer the backbone technology which enables renewables to provide base load power and thus be a reliable supplier for populations and industry. Why do I mention this? Because I want to convince you that the benefits of investing in 2G power stations today will still be in place the day after tomorrow. In the light of our positive future prospects, we have increased our shareholders' dividend, are continuing to expand our worldwide partnership network and, by means of a rental option, are making it easy for potential CHP operators to benefit from our technology. You can read more about these topics in this newsletter.

Enjoy your reading! Yours,

A handwritten signature in blue ink that reads 'Christian Grotholt'.

Christian Grotholt

CEO of 2G Energy AG

Opportunities and obstacles on the German CHP market

Interview with Sales Director Germany Jörg Lösing

The significance of the international sales market continues to rise within the 2G Group, with gains particularly apparent in the American and Asian regions. However, the domestic market continues to be a main market for 2G, and, at over 50 % of annual sales, plays an important role in the company's success. How 2G intends to hold its ground on the German market and what the obstacles are that will need to be tackled, are covered in an interview with Jörg Lösing, who has worked for 2G for nearly 15 years, and, since the start of this year, has been Sales Director of 2G Energietechnik GmbH.

Name:	Jörg Lösing
Employed by:	2G Energietechnik GmbH
Position:	Sales Director Germany
Employed since:	2004
Personal:	Married, two children
Qualifications:	State-examined electrical engineer/Chamber of craft and trade business administration qualification
Hobbies:	Football and family
Career at 2G:	2004 - 2008 Departmental Manager E-Technology 2008 - 2018 Sales Manager West Germany Since January 1, 2018 - Sales Director Germany



Jörg Lösing, Sales Director Germany

Jörg, you've headed up German Sales since the start of 2018. How do you see the current situation in the German CHP market?

Jörg Lösing: At the start of this year, sales of natural gas co-generation installations were sluggish. This is mainly due to the EU Commission ending the exemptions to the German Renewable Energy Act (EEG) surcharge from December 31, 2017. In response, certain potential customers put their willingness to invest in natural gas CHP on hold. To the benefit of us all, in the

middle of this year, the German Ministry for Economic Affairs and Energy and the EU Commission decided to extend the EEG surcharge again. However, this decision still awaits confirmation by the Bundestag. As far as the biogas market is concerned, the option for flexibilizing our existing plant has paved the way for new orders and is helping us to further develop the 2G brand in Germany.

So natural gas CHP installations will continue to be profitable?

If the Bundestag takes the right decision – then yes. With the ending of the EEG surcharge exemptions at the end of 2017, cogeneration power stations of under 1 MW and over 10 MW had to pay 100 % of the EEG surcharge, putting the profitability of many projects in question. The reversion to a 40 % EEG surcharge thus makes the use of CHP technology profitable again. However, the new rule not only applies to outputs below 1 MW and over 10 MW. All new plants in this electricity-intensive sector also pay an EEG surcharge of 40 %. And the other installations with output between 1 MW and 10 MW also pay just 40 % of the EEG surcharge, providing they are operated for fewer than 3,500 full capacity hours.

In current configurations, a certain degree of grid independence is often aimed at, as conventional energy extraction from the public grid is subject to higher and higher grid charges and the EEG surcharge has to be paid at 100 %. Use of a CHP to generate its own energy requirements greatly reduces the cost of grid charges and the EEG surcharge.

Are there other ways of running a natural gas-fired cogeneration power station?

Yes, instead of using combined heat and power for internal consumption, it is also possible to feed the power into the public grid. The feed-in tariff is regulated by the German Combined Heat and Power Generation Act 2016 (KWK-G 2016), which provides for a CHP bonus for 30,000 full-load hours for each plant from 50 kW up. Apparently over-dimensioned installations are becoming increasingly attractive and their operating methods correspondingly flexible. Naturally installations can be run at full load for 7,500 hours a year, but the CHP bonus would be used up after four years. Instead, more and more CHP installations are run flexibly, so that power is only fed in when the power prices on the Leipzig EEX are trading at a sufficiently high level. Better power price tariffs increase plant profitability. In this way, the support period can be stretched to as much as 15 years.

In order to strengthen this effect, a larger or second CHP station is often installed so as to shorten the running time of both installations in a favorable way. In addition, the addition of buffer storage allows heat supply from power generation to be uncoupled in time, thus preventing any shortfalls. The acquisition of buffer storage is also the subject of legal reliefs from the Federal Office of Economics and Export Control (BAFA), amounting to up to €250/m³.

What do installations which are not flexibly operated do when the CHP bonus runs out after the 30,000 full-capacity hours?

For this eventuality, 2G Rental has developed the "vieras" rental concept, which precisely matches the support period. The vieras concept involves a rental charge which is dependent on the operating hours. After the expiry of the 30,000 full-capacity hours, the CHP station can be returned to 2G. "vieras" is a Finnish word meaning "guest", which is the exact concept behind 2G Rental. Instead of investing in a new CHP station, you only pay for its use. The maintenance contract

"Combined heat and power will have a continued role as an important component of the energy revolution."

Jörg Lösing, National Sales Director

is also included in the rental fee, so the monthly costs relate only to rental per operating hour and fuel costs.

So natural gas CHP installations can look forward to a secure future, but what about biogas installations?

The biogas market has experienced a change for the better due to flexibilization, so it now seems that this will work out too. It is anticipated that today's final flexibility ceiling will be adjusted to allow any operator to flexibilize, and the first bill allowing this has already been moved. If this is passed, existing plants can be

made fit for purpose for the next ten years and more.

And what does that mean exactly?

Up to now, biogas installations could be flexibilized until the ceiling of 1,350 MW output had been reached on the market. In other words, not all existing plant would be able to expand. The new bill, not yet passed, provides exactly for this. Thus, the biogas market could be extremely attractive in the longer term.

It's no secret in the industry that the larger modules have been subject to delivery delays. How are you tackling this challenge?

It's true that delivery times for large plants are a serious problem for the industry, and this is something which 2G recognized early and has largely resolved. Delivery times for large CHP plant from 500 kW to max. 1,500 kW have been significantly reduced by means of consultation with the suppliers, meaning that operators of biogas plants with an EEG subsidized residual life of ten years can be serviced quicker. Our customers really like that.

Jörg, you previously mentioned the rental model for natural gas CHP plant. Is there a rental solution for the biogas market?

2G Rental provides suitable rental models for the biogas market, too. The advantage of this is that you can flexibilize your own biogas plant without heavy investment. That increases operating reliability and raises the efficiency of the whole plant. On top of that, the rental model is balance



2G in Germany is well-positioned for the future. Good news for fitters Tobias Dankbar (left) and Patrick Kersting in Heek.

sheet neutral and the integrated service increases availability. In my opinion, we have been quick to get on track, and are really well positioned in Germany, both in the natural gas and biogas market.

2G pays out dividend of €0.42 per share

Successful AGM 2018

At this year's AGM on July, 4 2018 in Ahaus, Germany, the Board of 2G Energy AG reported a growth in turnover and profits in 2017. The Board also gave a confident picture of the current and future years.

In 2017, Group turnover rose by 9 % to €189.4 million. The main contribution to this was increased foreign turnover, with a rise from €52.8 million to 66.7 million. In the financial year 2017, 35 % of Group turnover was earned abroad. Above-average rises were also seen in revenues from the servicing business, which in 2017 accounted for a third of total turnover.

Earnings situation significantly improved

Alongside turnover, the earnings situation also improved significantly. Total profits before interest and taxes of €7.3 million (+ 30 %) were generated. This corresponds to an EBIT margin of 3.9 % (previous year: 3.1 %). The Management and Supervisory Boards proposed the payment of a shareholder dividend of €0.42 per share from net profits, amounting to approx. €1.9 million. The proposal was accepted by 99.9 % of votes. The resolutions proposed for the other points on the agenda were also accepted.

In his speech to shareholders, Chairman of the Board Christian Grotholt reported on the current status of the three lead projects, "Partner concept", "Lead to Lean" and "Digitalization", the contents of which were first presented at the 2017 AGM.

All three projects have already produced notable results, and in consequence, on behalf of the Board, Grotholt felt able to be confident about the future.

"The 2G spirit is an incredibly strong asset."

Friedrich Pele, CFO

Friedrich Pele, since December 1, 2017, CFO of 2G Energy AG, supplemented his speech about the company's key financial data with a statement from the point of view of a "new family member". According to him, "The 2G spirit is an incredibly strong asset. The company unites the flexibility of the German SME sector with the French sense of mission and the Japanese readiness to learn".

New upturn for sales

International Sales Expert Training in Hamburg



Group photo of sales partners and 2G employees at Hamburg branch.

As we reported in the last issue of CHP Journal, 2G regularly informs its partner companies about 2G's technical innovations and other useful knowledge about combined heat and power.

Twelve partners participated in the latest Sales Expert Training session in the Hamburg branch of 2G Energietechnik GmbH in early June. They came from eight different countries: Croatia, Germany, Greece, Poland, Russia, Singapore, Spain and UK. Over the course of two days, not only were the technical innovations explained, but several excursions to interesting CHP projects were also on the program. Response from all participants was positive.

Further partner training course in autumn

The next course for sales partners will be held in Hamburg on November 13/14. Or would you be interested in a training course for operators or maintenance workers? Do let us know.

Info and registration:
my.2-g.com
trainingcenter@2-g.com

2G boosts its service

Structural adjustments give maximum customer proximity



The new service center at the Heek location.

Growth in a corporate group always involves structural adjustments. This not only means a change in internal structures, but a change for customers, too.

Internal communication in focus

In line with this, 2G Service became aware of a number of structural adjustments which were necessary to permit continued best-in-class servicing. One focus here was on optimizing internal communication between the individual departments within the Service Division.

An important step was the physical co-location in one office of the area manager responsible for decentralized service with the trouble-shooter and back office colleagues. This small but very effective structural adaptation proved to have its

advantages. Internal communication and associated processes run much more efficiently and require less time and energy to complete. As a result, customers receive quicker binding confirmations. Customers notice this not only through almost entirely smooth plant operation but also in plant efficiency and thus, not least, in their own pockets.

“The changeover was naturally preceded by a test phase in which various new structures and communication paths were given a final polish. However, with the transfer into the new service bay and associated investments in office infrastructure, all targets were successfully achieved, as there was a noticeable increase in customer proximity and thus maximized customer satisfaction. The principle of ‘One face to the customer’, which gives

each customer a fixed and unchanging contact person, has been affirmed more than ever in area management," says Frank Grewe, 2G Energy AG authorized signatory and responsible for service structure and strategy. However, the new office infrastructure was not the only measure, as

"After just a short time, we began to see a significant improvement in customer satisfaction."

Frank Grewe | 2G Energy AG authorized signatory and responsible for service structure and strategy

2G service for CHP plant is among the best, not only in Germany but internationally too, and that is how it needs to remain.

Transfer to larger building for optimum processes in the servicing activity

As a next step, the whole main premises of 2G Service moved into a neighboring 6,000 square meter building. This building is many times larger than before and offers more storage capacity. The higher storage capacity is beneficial for bundled purchases of components and thus helps to secure availability and cheaper prices, alongside greater stocks of parts, which under the partner concept are called off in ever greater batches at Heek.

"2G service is currently completing a highly positive transformation," says Frank Grewe with pleasure. "Our aspiration is 'maximum efficiency through maximum customer proximity'."



New storage capacity for spare parts.

“Rediscover your agenitor with my.2-g.com.”



Intelligent networking for better availability, higher total efficiency and optimized plant operation: Discover the potential of 2G's trendsetting customer and partner portal. **my.2-g.com** – register now!



Visit us at
EnergyDecentral
November 13 - 16, 2018
in Hanover,
Hall 24 | Stand A14

2G strives for growth in North America

Branch openings in Maryland (USA) and Ontario (Canada)

2G is continuing its expansion into the North American market. In 2009, the first sales and service branch office in North America was opened. Since 2012, we have also had our own production site in St. Augustine (Florida). To strengthen our market position and achieve even greater proximity to customers and partners, two new offices – in Maryland (USA) and Ontario (Canada) – have been opened.

Knowhow carriers with many years of CHP experience

In both locations, CHP experts with many years of experience of market and product knowhow could be recruited. One newcomer to the 2G team is Dan Jones, a recognized expert in the North American market, with over 14 years of experience in sales and servicing of CHP plant for a market competitor. With its decentralized organization in the areas of sales, service and after sales, 2G is aiming for a quicker penetration of the North American CHP market, and has already doubled the numbers of orders received in 2017 compared to 2016.

Potential turnover of between €40 and 60 million per year

Alongside France and Japan, the North American market is currently one of the strongest foreign markets for turnover, and from 2G's point of view offers a potential turnover of between €40 and 60 million per year. At present, natural gas

CHP stations are in particular demand in North America, as spark spread, the difference between gas price and electricity price – a crucial factor in the profitability of CHP investments – is particularly high in some regions of the USA. Since 2007, gas production in the USA has risen by 40 %; in the same period, gas prices have dropped by two thirds. According to a forecast from the IHS Markit Institute, by 2040 the USA will be covering half of its power requirement with gas power stations.

CHP subsidy programs

In addition, sales activities will be supported by the Bipartisan Budget Act of 2018, which establishes a tax refund of 10 % on CHP projects, and allows 100 % write-offs in the first year on investment costs (including CHP installations) via a bonus write-off plan. In addition, more and more states (e.g. California, New York and Maryland) are recognizing that combined heat and power may allow lower emissions and higher reliability in the energy supply, and, in the face of increasingly frequent natural disasters, are setting up subsidy programs in order to further raise the profitability of CHP investments.

2G Energie SAS is showing strong gains

French 2G subsidiary in period of stable growth

Contrary to the general trend in the French biogas market, which emphasizes biomethane gas feed-ins, 2G Energie SAS is reporting a higher demand for biogas-fired CHP stations in France.

Turnover quadrupled in three years

In the first three years since 2G Energie SAS was founded, turnover has quadrupled. The number of employees has also doubled, ensuring that not only every one of the 150 installations in the field has independent maintenance, but also that partners based in France have the proper support.

Jürgen Klein, Director of 2G Energie SAS, sees the main reasons for this positive development as being simplification of the formalities for establishing new cogeneration power stations and the ever increasing number of plant expansions.

However, the availability of 24/7 service with a suitable telephone hotline and a well-functioning partner concept has also permitted the rapid growth in the market and contributed to 2G Energie SAS's higher profitability.

40 biogas CHP stations in 2018

The French 2G subsidiary is expected to commission a total of 40 cogeneration power stations in 2018, including a prestige project with a total electricity output of 12 MW at Saclay near Paris. From early November, three avus 4000a installations will be connected to the district heating grid which supplies the Saclay municipality with heating.

First 2G partner in Croatia

Partner contract signed with DUING d.o.o.



The 33rd International Scientific & Expert Meeting of Gas Professionals was held in Opatija, Croatia from May 9 - 11 this year. During this event, 2G Energietechnik GmbH signed a partner contract with DUING d.o.o., based in Viškovo, Croatia.

DUING was originally involved in marine engine technology, but later gained experience in the area of combined heat and power. It has now taken over sales and servicing in the region of Croatia, Bosnia and Herzegovina on behalf of 2G. "We look forward to our cooperation with DUING and our first joint projects," says Johannes Gausling from 2G.



New partner in Croatia (from left): Goran Mažuranić (Sales Manager DUING), Johannes Gausling (2G Energietechnik GmbH) and Luka Šimić (CEO DUING).

New partnership in biogas business

2G takes a stake in HJS Motoren GmbH

In early July, 2G took a 50 % stake in HJS Motoren GmbH. HJS is based in Amtzell, Germany, and is a specialist in biogas engines. Under the leadership of company founder and sector expert Hans-Jürgen Schnell, HJS focuses on improving the efficiency and lifespan of CHP engines and preparing them for the increasing demands of environmental protection.

Joint presentation at trade fair

At EnergyDecentral in Hanover from November 13 - 16, both companies will be making a joint presentation of their activities at the 2G stand, Stand A14 in Hall 24. Apart from servicing of biogas engines, the emphasis will be on current topics such as flexibilization, digitalization and CHP rental opportunities.

2G and HJS Motoren together at EnergyDecentral, November 13-16 in Hanover, Hall 24, Stand A14. We look forward to seeing you there!



In partnership with 2G, HJS will provide servicing for Scania engines. In addition, these biogas specialists will also incorporate new plants from the 2G product portfolio into their own program.

2G looks forward to having such a strong partner at its side and to the success of their cooperation.

“We’re pleased to be working together as partners with 2G.”

EKO STAR has been 2G’s sales and service partner in Slovenia for four years



Jozse Stare

Over time the company has become one of the leading combined heat and power specialists on the Adriatic coast. More than a dozen installations have been installed and provided with professional servicing in countries such as Slovenia, Croatia, Serbia and Bulgaria. “We are pleased to be working together as partners,” says Director Jozse Stare. “The outstanding partner support provided by 2G has enabled us to outdistance our competitors and play a successful role in several Eastern European countries.”



Since early 2014, EKO STAR d.o.o. has been 2G’s sales and service partner in Slovenia. EKO STAR was founded by Jozse Stare in 2012, and has been involved in combined heat and power from the start. However, only since acquiring partner status with 2G has the sale and maintenance of cogeneration power stations become its main area of business. EKO STAR currently employs eight people, handling the sale and maintenance of CHP plants, and not just at home in Slovenia.



On the move for 2G in the Adriatic: EKO STAR.

Successful g-box 50 with even more power

A new concept for tried and tested technology

In 2006, the first g-box 50 was taken into use. After 12 years of continuous development, a new generation of the g-box 50 has now been launched.

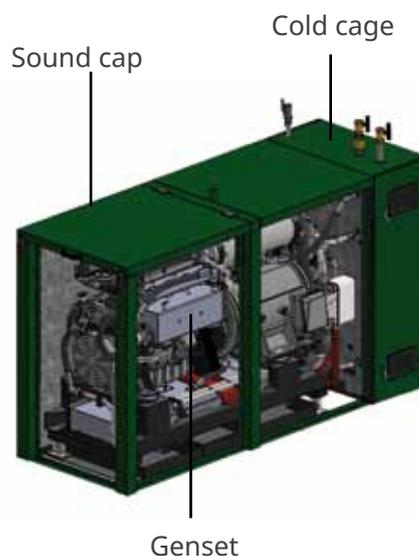
With the new g-box 50 d series, 2G is responding to various new market requirements. The result is a g-box 50 which is even more efficient, has an electrical output of 50 kW (34.5 % electrical efficiency) and a thermal output of 104 kW (71.5 % thermal efficiency).

The initial spark for a fundamental revision came from the changed requirements in the guidelines for grid connection and operation of generation and consumption units in the public grid. At the same time, product features demanded by the market, such as utilization of condensing technology, without inlet and outlet air, low noise emission, compact design and short amortization periods needed to be retained. Total experience from the last few years flowed naturally into the development of the new generation. The result included the use of a new synchronous generator and engine and an extensive redesign of the module. What does that mean specifically?

Extensive redesign

The temperature-sensitive parts of the CHP unit were accommodated in a shielded "cold" area. Only the engine, generator, oil tank, primary muffler and exhaust gas heat exchanger are exposed to high

temperatures. In addition, the new g-box has been designed so that all service work can be carried out from three sides, meaning that the unit can be placed against a wall and takes up little space. The height of the module has also been decreased, as there are no superstructures mounted on the housing. This results in lower noise emissions, the module is better protected from external influences and it can be installed in basements with lower headroom.



Wider spectrum of function and performance

Compared to the first generation, the new g-box 50 comes through with a far wider spectrum of functions and performance. It can not only be operated for heating supply (with and without buffer operation),

power supply or grid supply, but also be incorporated into a virtual power plant. In addition, isolated operation and active

grid support are also possible. Several modules have already been ordered.

New grid connection rules issued

EU Directive necessitates alterations to grid connection rules

On April 27, 2016, the European Union enacted the Directive "Network Code: Requirements for Generators". This must be implemented by the Member States within three years in the form of national regulations.

The former German Association for Energy and Water Management (BDEW) medium voltage guidelines, which have governed the connection and parallel operation of generation plant in the medium voltage grid, will be replaced by new regulations. In future, the regulations VDE AR N 4110 (medium voltage) and 4105 (low voltage) will offer a clearer definition of the boundary between medium and low voltage connections, with VDE AR N 4110 covering connection outputs over 135 kW and VDE AR N 4105 outputs under 135 kW.

and the technical connection conditions 2008 (medium voltage) will cease to be effective and lose their validity. VDE AR N 4110 as RfG will then alone be valid. Any generation units and plants taken into use after this date must thereafter meet the new requirements. This could lead to generation units and plant established under the BDEW medium voltage directive needing to be updated for approval by the power supply company, thus giving rise to unforeseen additional costs.

2G recommends that operators seek feedback from the relevant energy supplier in respect of the above regulations.

In order to guarantee compliance with the new directive, 2G has compiled a suitable action pack for each application.

Old regulations expire on April 27, 2019

Currently, the BDEW medium voltage guidelines and VDE AR N 4110 operate in parallel. If grid operator's consent relies on the BDEW medium voltage guidelines, commissioning should take place before April 27, 2019. On this date, the BEDW medium voltage guidelines

Renting rather than buying: flexibility squared

Bioenergie Hagmann rents the latest of its five avus 500 plus modules



Bioenergie Hagmann has combined the use of the flexibility bonus with the 2G Rental model.

“The rental solution gives me greater scope of action through improved liquidity.”

Markus Hagmann | Director | Bioenergie Hagmann

Location: Dürmentingen, Germany
Operator: Bioenergie Hagmann GmbH & Co. KG
CHP type: 5 x avus 500 plus
Gas type: Biogas
Electrical output: 5 x 550 kW
Thermal output: 5 x 670 kW
Installation: High Line Container



Flexibilization of biogas CHP operation and the 2G Rental model are a perfect match for Markus Hagmann. This assessment is the reason why the Director of Bioenergie Hagmann GmbH & Co. KG in Dürmentingen, Germany, has rented the latest of five avus 500 plus CHP units (550 kW) from 2G. The total output of his biogas plant is 2.75 MW, and three gas tanks with a total volume of over 10,000 m³ mean that the CHP units only start up at peak periods.

For Hagmann, profitability and planning security are the twin pillars of the 2G rental

model: “The flexibility bonus covers the partially amortizing rental fee, giving me more scope of action through improved liquidity. And the full service contract guarantees me high availability and thus the necessary planning security. Finally the rental solution has the advantage that no internal balancing of accounts or pre-payments are necessary.”

With the 2G Rental model, the customer can choose operating periods of between four to nine years for CHP units of 20 kW to 2 MW. At the end of the operating period of a rental contract, there are various options available, e.g. transfer of ownership or a fresh decision for the future with the latest CHP technology.

Digitalization optimizes operation and monitoring of CHP stations

2G’s full maintenance contract secures CHP operators the maximum plant availability through the world-wide use of modern analysis and communications technology, by means of which, for example, an unplanned deviation in an operating parameter goes directly to the 2G service hotline. The service team then takes the necessary steps to re-establish normal operation or uses an in-house intelligent evaluation system to suggest ways to rectify the problem. Even today, over 70 % of operating deviations reported worldwide can be resolved by remote dial-in from the Heek service center.

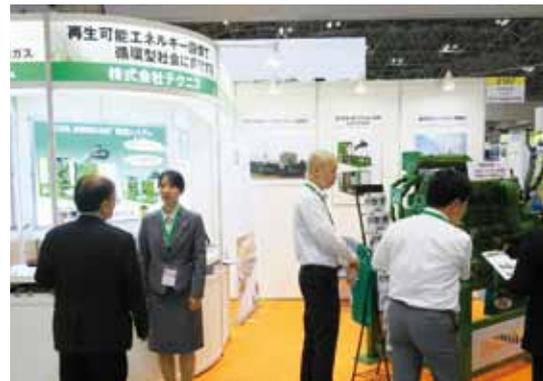


CHP technology in demand in Japan

Japanese partner presents 2G at N-EXPO 2018 in Tokyo

In late May, Japanese 2G partner Technis presented the 2G product portfolio at N-EXPO in Tokyo. N-EXPO has been held every year for over 20 years and is one of the leading Japanese fairs in environmental technology and renewable energy.

This year, the fair had more than 600 exhibitors and over 150,000 visitors. Technis was able to make several new and promising contacts. "Combined heat and power technology is enjoying ever greater interest in Japan," sums up Andre Banken, Head of 2G Business Development East, who was also at the fair. "We are confident



Inspiring conversations at N-EXPO in Japan

that the demand for CHP units will continue to grow in the future."

Visit us at the trade fair

The next trade fair dates

13/11 - 16/11/2018	EnergyDecentral	Hanover	Germany
5/12/2018	Infotag Flex-KWK	Hamburg	Germany
11/12 - 12/12/2018	14th Österreichischer Biogaskongress	Linz	Austria
16/1/2019	Infotag Flex-KWK	Duisburg	Germany
7/2 - 9/2/2019	E-world	Essen	Germany
14/2/2019	Infotag Flex-KWK	Cologne	Germany
7/3/2019	Infotag Flex-KWK	Hanover	Germany
11/4/2019	Infotag Flex-KWK	Munich	Germany
8/5/2019	Infotag Flex-KWK	Leipzig	Germany
6/6/2019	Infotag Flex-KWK	Stuttgart	Germany

CHP Journal

Legal information

Publisher

2G Energy AG
Benzstraße 3 | 48619 Heek | Germany
Phone +49 (0) 2568 9347-0
info@2-g.com | www.2-g.com

Editorial office

Julian Efker | j.efker@2-g.de
Julia Wülker | j.wuelker@2-g.de

Design and typesetting

Werbeagentur Holl
www.werbeagentur-holl.de



2G Locations



2G Partner