

# HALF-YEAR FINANCIAL REPORT

FOR JUNE 30,

# 2019



High Performance Battery Systems

**KEY FIGURES FOR THE FIRST HALF YEAR (IFRS) <sup>1)</sup>**

for the period from January 1, to June 30, 2019

<b>KEUR</b>	<b>H1 2019 6 months</b> <small>(1/1/2019 – 6/30/2019)</small>	<b>H1 2018 <sup>2)</sup></b> <b>6 months</b> <small>(1/1/2018 – 6/30/2018)</small>
Revenues	19,219	9,283
EBITDA	1,029	-818
EBIT	185	-1,054
EBIT margin	1.0%	-11.4%
EBT (earnings before taxes)	211	-1,212
Net earnings for the period	154	-1,301
Earnings per share in EUR	0.03	-0.49
Shareholders' equity (June 30/December 31)	101,860	101,706
Equity ratio (June 30/December 31)	85.3%	88.4%
Total assets (June 30/December 31)	119,405	115,109
Cash flow from operating activities	-10,600	-258
Employees as of June 30	210	116

<sup>1)</sup> Unaudited in accordance with IFRS/IAS.<sup>2)</sup> 2018 figures inclusive IPO-costs.

<b>Share</b>	<b>June 28, 2019</b>	<b>Change</b>	<b>June 29, 2018</b>
Closing price in Xetra, in EUR	41.50	-16.5%	49.70
Number of shares issued	6,061,856	n.a.	6,061,856
Market capitalization, in EUR million	251.57	-16.5%	301.27

# THE FIRST SIX MONTHS AT A GLANCE

## TOTAL OUTPUT

increased strongly

**€ 22.0m**

(H1 2018: € 9.7m)

**+125.7%**

## REVENUE

increased strongly

**€ 19.2m**

(H1 2018: € 9.3m)

**+107.0%**

## EBIT

increased strongly

**€ 0.2m**

(H1 2018: € -1.1m)

**+117.6%**

## PRODUCTION CAPACITY INCREASE AT OUR SERIAL PRODUCTION SITE LANGEN

(since the beginning of the year)

**+140.0%**

## EMPLOYEES

increased strongly

**210 Employees**

(Jun. 30, 2018: 116 Employees)

**+81.0%**

## ORDER BACKLOG

**€ 1.45bn**

(Dec. 31, 2018: € 1.47bn)

**-1.4%**

# FOREWORD

Dear Shareholders, Customers,  
Business Partners and Employees,

After a dynamic start in the first three months of the current financial year 2019, AKASOL AG continued to post strong performance in the second quarter. Revenues increased to EUR 19.2 million in the first half of 2019, more than twice as high as in the first half of 2018. Earnings before interest and taxes (EBIT) amounted to EUR 0.2 million.

Despite our dynamic growth, we were able to achieve a slightly positive result in the first half of the year, both in the first quarter and in the second quarter of 2019. Nevertheless, in anticipation of the expected growth in revenues, we had to increase our personnel strength in all areas faster than originally planned. In doing so, we placed our Company in a position to contend with the intensive growth, which is expected in the coming months and years, while at the same time taking on new customers and working on new projects. We also decided to undertake some of the planned customer development projects on our own so that we will be able to benefit from ownership of the resulting know-how in the mid- to long term. Due to the strong forecast of our major customers, we will start up the second production line at our serial production site in Langen six months earlier than planned at the beginning of 2020. These advance investments in capacity expansion caused

additional expenses in this period. In addition, some customer projects are still in the order placement, as expected, and will have an impact on revenues in the coming months.

In the first six months, revenues in serial business increased significantly due to the two-shift operation established in mid-2019. The positive effects that we anticipate for the remainder of the financial year include the further expansion of serial business with improved margins due to learning effects, further material cost reductions and process optimizations. Based on the order quantities forecasted by our customers for 2019, we are confident that AKASOL will continue to expand its dynamic growth course in the second half of the year and that we will achieve the targets we have set ourselves - accompanied by a significant increase in revenues and earnings.

Accordingly, we maintain our forecast, which envisages revenues of at least EUR 60 million and an EBIT margin of at least 7% for the financial year 2019, achievable and currently see no reason to adjust it at this time. We will continue to implement our expansion strategy as planned and we anticipate additional revenues from new projects in addition to strong and steady growth in serial business with our existing customers. In the first six months of 2019, we have aligned our production capacity and our procurement and logistics structures in pre-

paration for this significant growth, based on 2019 and 2020 total revenue as well as customer order volume.

An important milestone in the ramp-up of serial production was the successful implementation of two-shift operation in the second quarter. As planned, this will be consistently expanded to a three-shift operation in the course of the third quarter. As a result, we are in an excellent position to meet the production requirements for our two serial projects, as well as other potential projects for our serial product AKASystem OEM PRC from the Langen site.

Thanks to steady and continuous performance management and a rapid expansion of personnel, our serial production site in Langen is expected to have an annual production capacity of 300 MWh at the end of 2019. Since the beginning of the financial year, production capacity has already increased by 140%. This number will be gradually expand up to 800 MWh with the second production line already been ordered, with alterations and further improvements of the first production line, and with the introduction of the second battery system generation in 2020.

Due to the excellent long-term orders situation, AKASOL is in a phase of extremely dynamic growth, which requires continuous investments in infrastructure and the hiring of new employees in almost all areas of the Company. As announced in April, we have therefore set up a 20,000 sqm site in Darmstadt for the construction of the new 7,000 sqm AKASOL headquarters and a 15,000 sqm ultra-modern multifunctional hall including test and validation center. The construction work is already well advanced, and we expect our new headquarters to be ready for occupancy in mid-2020. The new Company headquarters will help to significantly increase

our capacities and further optimize our processes and procedures.

In addition, the North American market is one of the most important growth regions for us and our international expansion strategy alongside Europe. After a wide-ranging tendering process among various US states and municipalities, we are pleased to have found the perfect location for our subsidiary AKASOL Inc., in the Detroit metropolitan area, Michigan. The new AKASOL production facility will have a capacity as the current serial production site in Langen, in the German State of Hesse. At the start of production, which is planned for mid-2020, we will focus at the new US location on production of the second-generation serial battery systems for one of our major customers, and at a later date on the assembly of the AKASystem OEM PRC battery system, also the second generation. Following the German model, we expect an increase in production at the US site to 400 MWh per year by 2021, operating in three shifts. The state of Michigan is subsidizing this project with grants up to USD 2.24 million.

In addition to building up and expanding capacity for our first- and second-generation serial battery systems, the advance development of our new AKASystem AKM CYC high-energy battery system is continuing, and marketing of this new product has progressed as well. We are currently in the advanced stages of negotiating another major contract for this system. The third-generation of the type AKASystem AKM CYC is convinces our customers with liquid-cooled, scalable and flexible integrated battery modules, which allow commercial vehicle battery systems to reach an energy density of 221 Wh/kg. Depending on the order development for this product, we expect to start serial production in 2021, but will already begin to produce smaller quantities on a pilot line from the beginning of 2020

in order to provide samples to existing and interested customers. Thanks to the innovative extensions to our product portfolio, we believe that we are well-positioned to strengthen our market position as a pioneer for development and production of high-performance lithium-ion battery systems.

The stable business with existing customers in the reporting period and the order backlog of EUR 1.45 billion as of June 30, 2019 reflect these results and provide a solid and reliable foundation for future operations. About 80% of the total volume of the order backlog by 2021 is backed by signed contracts. This will allow us to continue hiring additional personnel in the coming months as necessary in order to place our growth strategy on a stable operating basis.

We are currently unaffected by the mounting uncertainty, particularly in connection with political conditions such as Brexit and international trade and customs policy. As a result, we believe that we are currently well-positioned regarding the economic environment.

Overall, results have met our expectations. We can also rely upon an outstanding staff, which is working with great commitment and vision to ensure

that our Company continues to grow and accomplish our goals.

Accordingly, on behalf of the Management Board, we would like to thank all our employees and our customers, as well as the business partners and suppliers who have contributed to our Company's success, and we look forward to continuing to work together.

Sincerely yours,



**SVEN SCHULZ**  
Chief Executive Officer



**CARSTEN BOVENSCHEN**  
Chief Financial Officer

# AKASOL SHARE

## Share performance

(As of June 28, 2019)

As of June 29, 2018, shares of AKASOL AG are traded in the regulated market (Prime Standard segment) of the Frankfurt Stock Exchange and were dynamic in the first half of the financial year.

Share performance was consistently positive in the first six months of 2019, all the way through June 28, 2019. The Xetra closing price of EUR 41.50 on June 28, 2019 was up 21% from the shares' closing price on January 2, 2019 (EUR 34.20). In the first two quarters of the year, the share was quoted on the Xetra trading system at its lowest price of EUR 29.83 on February 28, 2019, while on April 18, 2019, the share reached its highest value of EUR 48.25.

The average daily trading volume for AKASOL AG shares on Xetra was 8,839 shares in the first two quarters of financial year 2019. Market capitalization on June 28, 2019 was approx. EUR 251.6 million (June 29, 2018: EUR 301.3 million), based on 6,061,856 shares in circulation.

The performance of AKASOL shares is now accompanied by seven analysts. At the time of publication of this report, analysts largely rated the shares a „buy“ due to the current price level.

## Analysts

Institute	Analyst	Rating	Target Price (EUR)
Bankhaus Lampe KG	Dr. Karsten Iltgen	Buy	60
Citi Research	Gabriel Adler	Buy	59
Commerzbank AG	Yasmin Steilen	Buy	64
Deutsche Bank AG	Nicolai Kempf	Buy	60
Frankfurt Main Research AG	Enid Omerovic	Buy	57
Hauck & Aufhäuser Privatbankiers AG	Christian Glowa	Buy	60
MainFirst Bank AG	Florian Pfeilschifter	Neutral	51

# INTERIM REPORT

## BUSINESS PERFORMANCE

Compared to the previous year, AKASOL AG developed in line with its revenue and profitability forecast in the first six months of 2019 and generated total revenues of EUR 19.2 million. This corresponds to an increase in revenues of more than 100% compared with the first half of 2018 (previous year: EUR 9.3 million), as AKASOL got off to a good start in the first half of 2019 and posted continuing growth.

The growth in the reporting period was driven by the continuing improvement in revenues from serial production. The Langen site, in the German State of Hesse, has been operating in two shifts since mid-2019 and three-shift operation will be implemented over the course of the third quarter. With the commissioning of the second production line at the beginning of 2020 and the alteration of the existing serial line, the current production capacity will be increased from up to 300 MWh p.a. to up to 800 MWh by 2020.

The Company is also beginning the construction of the new headquarters in Darmstadt, as well as an ultra-modern production and logistics hall, including a testing and validation center, which is to be completed in mid-2020. In total, these will be five times as large as the current production facility in Langen. In addition, AKASOL continues to post dynamic growth and is extending its product portfolio of battery systems for commercial vehicles not only in Germany, but also in Europe and worldwide. With the opening of the production facility of the North American subsidiary AKASOL Inc. in the Detroit metropolitan area, Michigan, the Company plans to

expand into the US market this year. The American subsidiary will start operating the first North American production site with a capacity of up to 400 MWh per year from mid-2020. At least one third of the new site's assembly capacity has already been allocated for existing customers.

AKASOL is already supplying the first-generation AKASystem OEM PRC high-performance lithium-ion battery system, with a storage capacity of 25 KWh, to various major customers. From 2020, the second generation of the AKA system OEM PRC with 33 kWh will follow, which is almost identical in construction to the first generation but delivers approx. 30% more energy.

From 2021, AKASOL will launch its third-generation high-performance battery system. The so-called AKASystem AKM CYC will be a high-energy battery system with a storage capacity of approx. 100 kWh per battery pack, which will achieve almost twice the energy density compared to the current serial battery system of the first generation. This is mainly achieved by AKASOL's new cell modules with innovative cylindrical high-energy cells, which are also suitable for commercial vehicle applications. Depending on the installed battery capacity, this new technology enables operating ranges of 400-700 km for electric buses and trucks, thus meeting almost all the electrical range requirements of the commercial vehicle industry. AKASOL is already in an advanced stage of negotiations with several existing customers regarding the use of the new technology in serial production. The third-generation system will also continue to offer fast charging up to 500 kW. With this technology AKASOL can exceed the



price performance ratio and the availability of the current solid-state technology. The battery systems will be manufactured in Germany at the new headquarters in Darmstadt and in the US site in Detroit, Michigan.

The previously announced orders to development the prototype of a battery-supported fast charging station for a large German car and commercial vehicle manufacturer is progressing essentially

according to plan. However, delivery and completion of the product have been postponed until the fourth quarter due to a variety of additional requirements in the project. The centerpiece of this fast charging station is a liquid-cooled AKASOL battery system with a capacity of about 200 kWh which, in combination with proven power electronics, is capable of rapidly charging up to two vehicles at the same time with 100 kW and two additional vehicles with up to 22 kW without a respective grid expansion.

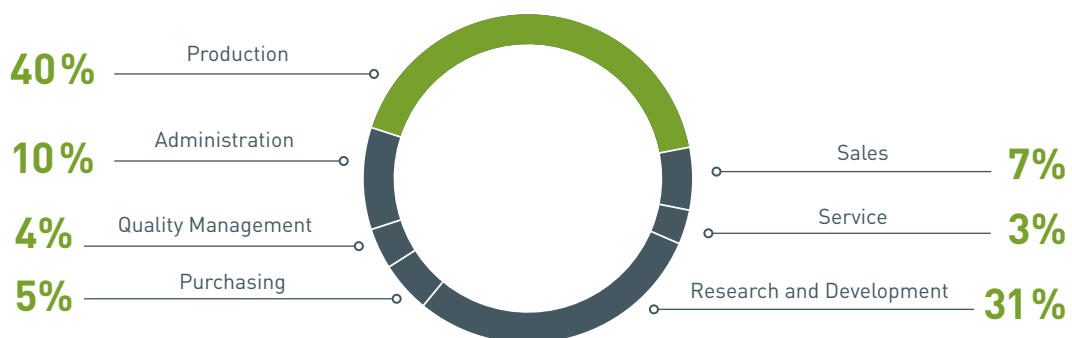
**EMPLOYEES**

As of the end of the first half of 2019, AKSAOL had 210 permanent employees in addition to the Management Board (June 30, 2018: 116). Accordingly, personnel capacity has increased by 81% within the past twelve months. Based on full-time equivalents, the Company had 187.3 employees on the reporting date (June 30, 2018: 102.3 employees).

The employee base has been strengthened through the strategic addition of new personnel, e.g. in the management team. The strategic expansion of cor-

porate structures and extension of the management team in certain areas are important steps for accomplishment of the Company’s future goals. For this reason, investments in further personnel expansion have already been intensified in the past months in order to be optimally positioned for the expected dynamic growth with sufficient capacities.

The direction of the build-up in personnel is based on the long-term customer requirements, which is reflected by a relatively high personnel expense ratio in isolated terms for the second quarter. The introduction of a second shift, and the future



addition of a third shift, provides the Company with a secure basis for increasing output and generating higher revenues as a result. The conclusion of framework agreements with long-standing customers

and the steady growth in orders provide AKASOL with the necessary planning security regarding the Company's organizational structure.

<b>Change in employees by functional area</b>	<b>June 30, 2019</b>	<b>June 30, 2018</b>
Research and Development	66	42
Production	84	49
Sales	14	7
Service	7	5
Purchasing	10	4
Quality Management	8	2
Administration	21	7
<b>Total</b>	<b>210</b>	<b>116</b>

## MARKETING AND FAIRS

AKASOL pursues an integrated marketing and communications strategy in order to keep a broader public informed about the Company's current issues. Marketing concentrates on the entire product portfolio and covers corresponding interest and relevant customer needs through close cooperation with sales. AKASOL continually monitors market trends, analyzes significant developments and implements the measures defined in its strategy on this basis.

A key element of marketing activities is participation in relevant trade fairs. In the first half of 2019, AKASOL participated in the VDV Academy Conference on Electric and the BUS2BUS trade fair, both

in Berlin, the Battery Show Europe in Stuttgart, the UITP Global Public Transport Summit in Stockholm and the Electric and Hybrid Marine World Expo in Amsterdam. In the second half of 2019 AKASOL will be represented among others at the Battery Show North America in Novi, Michigan in September and at Busworld Europe in Brussels in October. Participation in the Battery Show North America, AKASOL's first trade fair in the US, will provide optimal conditions for generating new and follow-up business as well as for intensifying and expanding contacts with customers in North America.

# EARNINGS, FINANCIAL AND ASSET POSITION

## EARNINGS POSITION

Revenues amounted to EUR 19.2 million at June 30, 2019, up EUR 9.9 million from the same period of last year, for a gain of 107.0%. The first six months of the year have proceeded according to plan for AKASOL AG. Cost of materials increased from EUR 3.9 million last year to EUR 12.9 million, an increase of 228.2%, for a cost of materials ratio of 67.3% (previous year: 42.4%). In relation to total output, the ratio amounted to 58.8% (previous year: 40.4%).

Personnel expenses increased by 104.4%, to EUR 5.7 million (previous year: EUR 2.8 million), due above all to the hiring of new personnel in connection with growth in the Company's operations. The personnel expense ratio decreased slightly, from 30.2% in the previous year to 29.9% and is expected to decrease as well over the course of the year as revenue growth is expected to continue. The ratio of personnel expenses to total output amounted to 26.1% (previous year: 28.8%).

Other operating expenses amounted to EUR 2.5 million in the first half year 2019 (previous year: EUR 3.9 million, including a share of the IPO expense in the amount of EUR 2.2 million). As a result, earnings before interest, taxes, depreciation and amortization (EBITDA) in the reporting period amounted to EUR 1.0 million (previous year: EUR -0.8 million). Depreciation and amortization amounted to EUR 0.8 million (previous year: EUR 0.2 million).

Earnings before interest and taxes (EBIT) in the first half of the current financial year amounted to EUR 0.2 million (previous year: EUR -1.1 million).

The financial result for the first six months of the current year amounted to kEUR 26, compared to kEUR -158 in the same period of last year. After taking tax expenses into account of EUR 0.1 million (previous year: EUR 0.1 million), AKASOL AG posted net result of EUR 0.2 million for the period ending June 30, 2019 (previous year: EUR -1.3 million). Earnings per share improved to EUR 0.03 (previous year: EUR -0.49).

## FINANCIAL POSITION

Cash and cash equivalents decreased by EUR 3.8 million in the first six months of the year and amounted to a total of EUR 18.1 million at June 30, 2019 (December 31, 2018: EUR 21.9 million).

As of June 30, 2019, AKASOL AG had non-current financial liabilities in the amount of EUR 4.1 million, which represents an increase of EUR 0.1 million (December 31, 2018: EUR 4.0 million). Current and non-current liabilities amounted to EUR 17.5 million (December 31, 2018: EUR 13.4 million). The net cash, current and non-current financial liabilities adjusted for cash and cash equivalents and marketable securities, amounted to EUR 13.2 million (December 31, 2018: EUR 24.6 million), for a change of EUR 11.4 million.

Cash flow from investment activities amounted to EUR 8.1 million (previous year: EUR -1.1 million). Cash flow from operating activities was -10.6 million due to necessary ramp-up of inventories and working capital for growth (previous year: EUR -0.3 million).

Operating cash flow plus cash flow from investment activities (free cash flow) amounted to EUR -2.5 million in the first six months of the current financial year (previous year: EUR -1.4 million).

Cash flow from financing activities amounted to EUR -1.3 million (previous year: EUR 1.4 million) and reflects the debt service of existing bank loans.

## ASSET POSITION

Current assets increased by EUR 25.1 million due to the reclassification of non-current assets as current assets and amounted to EUR 75.8 million as of the reporting date June 30, 2019 (December 31, 2018: EUR 50.8 million).

Trade receivables amounted to EUR 13.5 million on the reporting date (December 31, 2018: EUR 7.6 million). This includes EUR 10.0 million in invoiced receivables and EUR 3.5 million in receivables not covered by payments on account (percentage of completion).

Cash and cash equivalents reflect the requirements for growth, decreasing by EUR 3.8 million in the first half of 2019, to EUR 18.1 million (December 31, 2018: EUR 21.9 million). This corresponds to an increase in tangible assets and working capital, as well as debt amortization payments in the amount of EUR 0.8 million.

Non-current assets decreased by EUR 20.8 million due to the reclassification of non-current assets as

current assets and amounted to EUR 43.6 million as of June 30, 2019 (December 31, 2018: EUR 64.3 million).

Intangible assets, consisting primarily of capitalized development costs, increased by EUR 1.3 million, to EUR 4.1 million (December 31, 2018: EUR 2.8 million).

Deferred tax assets amounted to EUR 1.3 million at the end of the first half of the year (December 31, 2018: EUR 1.4 million).

Current liabilities increased by EUR 4.1 million and amounted to EUR 13.4 million on the reporting date (December 31, 2018: EUR 9.4 million). This increase was mainly due to the EUR 2.1 million increase in other non-financial liabilities based on IFRS 16 (lease accounting).

Trade payables increased by EUR 1.7 million in the first six months of financial year 2019 to EUR 5.8 million (December 31, 2018: EUR 4.1 million).

Current financial liabilities increased by EUR 0.3 million to EUR 2.3 million (December 31, 2018: EUR 1.9 million).

Shareholders' equity amounted to EUR 101.9 million as of June 30, 2019 (December 31, 2018: EUR 101.7 million). The equity ratio at the end of the first half of 2019 remained very solid, at 85.3% (December 31, 2018: 88.4%).

# FORECAST, OPPORTUNITY AND RISK REPORT

## FORECAST REPORT

There was no material change to the forecast of AKASOL AG presented in the 2018 Annual Report. The Management Board explained its forecast for the current year and the material assumptions for derivation of the forecast at length in the 2018 Annual Report, in the Company's Management Report.

In view of current orders on hand, AKASOL AG expects to see a significant increase in total output this year, which should result in a significant improvement in earnings. AKASOL expects revenues to increase to at least EUR 60 million in financial year 2019.

In view of the continuing dynamic growth, the accelerated buildup of additional production capacity and the rapid development of the US subsidiary, an EBIT margin of at least 7% is aspired for the current financial year.

## OPPORTUNITY AND RISK REPORT

The relevant opportunities and risks of future development, as well as the design of the risk management system, are presented in detail in the Annual Report for financial year 2018, in the Management Report. It can be viewed at [www.akasol.com](http://www.akasol.com).

Important markets are kept under close observation and potential scenarios are developed in order to enable a rapid and adequate response to arising risks, allowing AKASOL to rapidly implement a variety of alternatives. Potential risks, e.g. in case of exchange rates fluctuations, are closely monitored by management generally with a particular focus on revenue trends, liquidity and cost management.

Overall, there was no material change in the general risk situation in the first half of financial year 2019 relative to the risk situation described in the Management Report for financial year 2018.

**BALANCE SHEET**

As of June 30, 2019

kEUR	Jun. 30, 2019 <sup>1)</sup>	Dec. 31, 2018
<b>ASSETS</b>		
<b>Current Assets</b>		
Inventories	18,807	10,462
Trade receivables	13,464	7,551
Other financial assets	23,000	8,633
Other non-financial assets	2,269	2,049
Income tax receivables	166	140
Cash and cash equivalents	18,139	21,926
<b>Total Current Assets</b>	<b>75,845</b>	<b>50,760</b>
<b>Non-Current Assets</b>		
Intangible assets	4,102	2,814
Tangible assets	10,817	5,396
Other financial assets	27,330	54,771
Other non-financial assets	14	14
Deferred tax assets	1,297	1,354
<b>Total Non-Current Assets</b>	<b>43,560</b>	<b>64,349</b>
<b>Total Assets</b>	<b>119,405</b>	<b>115,109</b>
<b>EQUITY AND LIABILITIES</b>		
<b>Current Liabilities</b>		
Financial liabilities		
Liabilities to banks	1,738	1,933
Other financial liabilities	524	0
Trade payables	5,762	4,095
Other non-financial liabilities	5,173	3,105
Provisions	225	225
<b>Total Current Liabilities</b>	<b>13,422</b>	<b>9,357</b>
<b>Non-Current Liabilities</b>		
Financial liabilities		
Liabilities to banks	3,223	4,046
Other financial liabilities	900	0
<b>Total Non-Current Liabilities</b>	<b>4,123</b>	<b>4,046</b>
<b>Equity</b>		
Subscribed capital	6,062	6,062
Capital reserve	96,747	96,747
Revenue reserve	-948	-1,102
<b>Total Equity</b>	<b>101,860</b>	<b>101,706</b>
<b>Total Equity and Liabilities</b>	<b>119,405</b>	<b>115,109</b>

<sup>1)</sup> Unaudited in accordance with IFRS/IAS.

**STATEMENT OF COMPREHENSIVE INCOME <sup>1)</sup>**

for the period from January 1, to June 30, 2019

kEUR	<b>H1 2019</b> <b>6 months</b> <small>(1/1/19 – 6/30/19)</small>	<b>H1 2018 <sup>3)</sup></b> <b>6 months</b> <small>(1/1/18 – 6/30/18)</small>	<b>Q2 2019</b> <b>3 months</b> <small>(4/1/19 – 6/30/19)</small>	<b>Q2 2018 <sup>3)</sup></b> <b>3 months</b> <small>(4/1/18 – 6/30/18)</small>
<b>Revenues</b>	<b>19,219</b>	<b>9,283</b>	<b>10,146</b>	<b>4,746</b>
Changes in inventories	1,266	-130	871	-204
Own work capitalized	1,501	588	861	250
Other operating income	168	87	149	66
Cost of materials	12,928	3,939	7,053	1,772
Personnel expenses	5,737	2,807	3,148	1,541
Other operating expenses	2,459	3,900	1,371	2,940
Depreciation and amortization	844	235	428	107
<b>Operating result (EBIT)</b>	<b>185</b>	<b>-1,054</b>	<b>27</b>	<b>-1,502</b>
Financial income	140	0	115	0
Financial expenses	114	158	35	61
<b>Financial result</b>	<b>26</b>	<b>-158</b>	<b>80</b>	<b>-61</b>
<b>Earnings before taxes (EBT)</b>	<b>211</b>	<b>-1,212</b>	<b>107</b>	<b>-1,563</b>
Taxes on income	57	89	-16	-17
<b>Result for the period</b>	<b>154</b>	<b>-1,301</b>	<b>123</b>	<b>-1,546</b>
Other comprehensive income	0	0	0	0
<b>Net result for the period</b>	<b>154</b>	<b>-1,301</b>	<b>123</b>	<b>-1,546</b>
Earnings per share (diluted/undiluted) EUR <sup>2)</sup>	0.03	-0.49	0.02	-0.46
Average number of shares outstanding	6,061,856	2,674,606	6,061,856	3,341,799

<sup>1)</sup> Unaudited in accordance with IFRS/IAS.

<sup>2)</sup> Earnings per share result undiluted and deluted.

<sup>3)</sup> 2018 figures inclusive IPO-costs.

**CASH FLOW STATEMENT <sup>1)</sup>**

for the period from January 1, to June 30, 2019

kEUR	<b>H1 2019</b> <b>6 months</b> <small>(1/1/19 – 6/30/19)</small>	<b>H1 2018</b> <b>6 months</b> <small>(1/1/18 – 6/30/18)</small>
<b>Cash flow from operating activities</b>		
Operating result (EBIT)	185	1,054
+ Depreciation on fixed assets	844	235
+/- Other non-cash changes	187	0
<b>Changes in net current assets</b>		
-/+ Increase/decrease in inventories	-8,344	325
-/+ Increase/decrease in trade receivables	-5,913	-1,439
-/+ Increase/decrease in other assets not attributable to investment or financing activities	-1,112	-4,009
+/- Increase/decrease in trade payables	1,667	1,591
+/- Increase/decrease in accounts payable and other liabilities not attributable to investment or financing activities	1,922	2,138
+/- Increase/decrease in provisions	0	93
-/+ Gain/loss on disposal of fixed assets	-87	0
-/+ Interest paid/received	81	-158
-/+ Paid taxes	-30	-88
<b>= Cash flow from operating activities</b>	<b>-10,600</b>	<b>-258</b>
<b>Cash flow from investment activities</b>		
- Payments for investments in intangible assets	-1,458	-342
- Payments for investments in tangible assets	-4,444	-762
+ Sale of intangible and financial assets	14,000	0
<b>= Cash flow from investment activities</b>	<b>8,097</b>	<b>-1,104</b>
<b>Cash flow from financing activities</b>		
+ Capital increase through the issue of new shares	0	1,941
- Repayment of debt	-1,284	-502
<b>= Cash flow from financing activities</b>	<b>-1,284</b>	<b>1,439</b>
<b>Cash at the end of the period</b>		
Change in cash and cash equivalents	-3,787	76
Cash and cash equivalents on January 1 <sup>st</sup>	21,926	2,839
<b>= Cash at end of period</b>	<b>18,139</b>	<b>2,915</b>
<b>Composition of funds</b>		
Cash and cash equivalents according to balance sheet	18,139	2,915

<sup>1)</sup> Unaudited in accordance with IFRS/IAS.



**STATEMENT OF CHANGES IN EQUITY<sup>1)</sup>**

for the period of January 1, to June 30, 2019

kEUR	Sub- scribed capital	Capital reserve	Revenue reserve	Equity
<b>Balance at January 1, 2018</b>	<b>2,000</b>	<b>0</b>	<b>-376</b>	<b>1,624</b>
Net result for the period	0	0	-1,301	-1,301
Capital increase	4,062	0	0	4,062
Premium from the issue of new shares	0	96,761	0	96,761
<b>Balance at June 30, 2018</b>	<b>6,062</b>	<b>96,761</b>	<b>-1,677</b>	<b>101,146</b>
<b>Balance at January 1, 2019</b>	<b>6,062</b>	<b>96,747</b>	<b>-1,102</b>	<b>101,706</b>
Net result for the period	0	0	154	154
<b>Balance at June 30, 2019</b>	<b>6,062</b>	<b>96,747</b>	<b>-948</b>	<b>101,860</b>

<sup>1)</sup> Unaudited in accordance with IFRS/IAS.

# NOTES

AKASOL AG was founded on October 8, 2008 as Akasol GmbH and has its registered office on Landwehrstraße 55, 64293 Darmstadt, Germany. The Company is registered in the commercial register at Darmstadt Local Court under HRB 87340. Schulz Group GmbH, Ravensburg, Germany, hold a share of 47.41% throughout the reporting period.

AKASOL AG develops and manufactures high-performance lithium-ion battery systems for buses, commercial vehicles, rail vehicles and industrial vehicles, as well as for ships and boats.

The abbreviated half-year financial report for June 30, 2019 were prepared in Euros (EUR), the functional and reporting currency. Unless otherwise indicated, amounts in the financial statements are presented in kEUR. This may result in rounding differences of up to one currency unit.

## ACCOUNTING PRINCIPLES

The present half-year financial report of AKASOL AG as of June 30, 2019 were prepared in accordance with IAS 34 „Interim Financial Reporting“, taking into account the International Financial Reporting Standards (IFRS) applicable on the reporting date, in the reporting currency EUR. There has been no change in the accounting policies and calculation methods applied in the financial statements for December 31, 2018. Reference is made to the financial statements of AKASOL AG for December 31, 2018 for further explanations.

As of the date of the half-year financial report, June 30, 2019, the Company's only subsidiary is AKASOL Inc., with registered office in Michigan, in the United States of America, which has not yet commenced economic activity; once this Company commences economic activity, we will prepare consolidated financial statements in accordance with IFRS.

The business model of AKASOL AG is not seasonal. Therefore, an additional disclosure of financial information, which is required by IAS 34.21, is not necessary in the interim financial statements.

The form and content of the half-year financial report applies to the reporting duties of Deutsche Börse. The report represents an update of the annual report, taking into account the reporting period. His attention is focused on the current reporting period and should be read in conjunction with the annual report and the additional information about the Company which contained there in. The aforementioned annual report can be viewed online at [www.akasol.com](http://www.akasol.com).

## BALANCE SHEET, STATEMENT OF COMPREHENSIVE INCOME AND CASH FLOW STATEMENT

The section titled „earnings, financial and asset position“ provide a detailed overview and specific explanations of AKASOL AG's balance sheet, statement of comprehensive income and cash flow statement.

## CONTINGENT LIABILITIES AND ASSETS

Contingent assets do not exist. There has been no material change in contingent liabilities relative to the December 31, 2018 reporting date.

## ADDITIONAL DISCLOSURES CONCERNING FINANCIAL INSTRUMENTS

The fair values of the financial assets and liabilities compared to the carrying amounts are as follows:

kEUR	Assess- ment catego- ries	Carrying amount Jun. 30, 2019	Valuation Balance according to IFRS 9		
			Amorti- zed cost	Affecting net income	Fair value
Financial assets	FAAC	48,283	48,283	0	48,391 <sup>1)</sup>
Financial assets	FAFVTPL	2,047	0	2,047	2,047 <sup>1)</sup>
Trade receivables	FAAC	13,464	13,464	0	13,464 <sup>2)</sup>
Cash and cash equivalents	FAAC	18,139	18,139	0	18,139 <sup>2)</sup>
Financial liabilities	FLAC	6,385	6,385	0	6,385 <sup>2)</sup>
Trade payables	FLAC	5,762	5,762	0	5,762 <sup>2)</sup>
<b>Aggregated according to measurement categories</b>					
Assets at amortized costs	FAAC	79,886	79,886	0	79,993 <sup>1)2)</sup>
Liabilities at amortized costs	FLAC	12,147	12,147	0	12,147 <sup>2)</sup>
Assets at fair value	FAFVTPL	2,047	0	2,047	2,047 <sup>1)</sup>

**FAAC** Financial assets measured at amortized costs

**FAFVTPL** Financial assets measured at fair value through profit and loss

**FLAC** Financial Liabilities measured at amortized cost

**FLFVPL** Financial Liabilities at fair value through profit and loss

<sup>1)</sup> Level 1 of the fair value hierarchy.

<sup>2)</sup> The values stated for financial assets and financial liabilities are measured not at fair value but at the amortized cost / carrying amounts, which represent an appropriate approximation of fair value.

## OTHER TRANSACTIONS WITH RELATED PARTIES

### Disclosures concerning the purchase or sale of shares by Management and Supervisory Board members

According to Art. 19 of the Market Abuse Ordinance (MAR), persons performing management responsibilities and persons closely related to them are obliged to inform the Federal Financial Supervisory Authority (BaFin) and the Company of the acquisition and disposal of AKASOL shares and, among other things, of the other transactions described in more detail in Art. 10 para. 2 of the Delegates Regulation (EU) 2016/522 if the value limit of EUR 5,000 is exceeded within the calendar year.

No transactions subject to reporting requirements were executed by members of the Management and Supervisory Board or close associates of those persons in the first half of 2019. Transactions subject to reporting requirements are published on the website of AKASOL AG.

With effect from August 6, 2008, a contract for the outsourcing of Finance and Accounting, Human Resources, Sales and Marketing and Secretarial Services was entered into with Schulz Group GmbH. AKASOL AG is currently in the process of building up these areas internally so that it will no longer be required to obtain services from Schulz Group GmbH, which is as well controlled by Sven Schulz, CEO of AKASOL AG.

The table below shows the total amounts of transactions between related parties in the reporting period:

## Related parties

As of June 30, 2019

kEUR	Income from transactions with related parties	Expenses from transactions with related parties	Amounts owed by related parties	Amounts owed to related parties
Schulz Group GmbH	0	209	0	36
Schulz Engineering GmbH	26	71	0	0
Sven & Reinhold Schulz Immobilienverwaltungs GbR	0	25	0	0
AKASOL Inc.	4	0	232	0

**EVENTS AFTER BALANCE SHEET DATE**

There were no significant events after the end of the reporting period (June 30, 2019).

**AUDITOR'S REVIEW**

The abbreviated half-year financial report for June 30, 2019 and the interim report were not subjected to review by the auditor.

**ASSURANCE OF THE LEGAL REPRESENTATIVES**

To the best of our knowledge and in accordance with the applicable accounting principles for financial reporting, we confirm that this half-year financial report gives a true and fair view of net assets, financial position and earnings of AKASOL AG and that the interim report includes a fair view of the development and performance of the business and the position of the Company, together with a description of the material opportunities and risks associated with the expected development of the group for the remaining financial year.

Darmstadt, August 26, 2019

The Management Board of AKASOL AG

# FINANCIAL CALENDAR 2019

**Monday, Aug. 26,**  
Publication of results  
for the 2<sup>nd</sup> Quarter  
of 2019

**Wednesday, Aug. 28,**  
Commerzbank  
Sector Conference,  
Frankfurt

**Thursday, Sep. 19,**  
Citi's Small/Mid Cap &  
Growth Conference,  
London

**Wednesday, Oct. 16,**  
Berenberg Discovery  
Conference,  
New York

**Monday-Wednesday,  
Nov. 25-27,**  
Eigenkapitalforum,  
Frankfurt

**Monday, Nov. 25,**  
Publication of results  
for the 3<sup>rd</sup> Quarter  
of 2019

## CONTACT

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## IMPRINT

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This report is available in German as well. In case of deviations, the German version takes precedence over the English translation.

This report contains statements relating to future events, concerning the performance of the general economy as well as the business situation and financial, earnings and liquidity position of AKASOL AG. The statements are based on the Company's current plans, estimates, forecasts and expectations and are therefore subject to risks and uncertainties which may cause actual developments to deviate significantly from expectations. Statements relating to future events are only valid as of the publication date of this report. AKASOL does not intend to update statements relating to future events and is under no obligation to do so.

This document does not represent an offer or recommendation for the purchase or subscription of AKASOL AG securities. This report does not represent an offer to sell securities in the United States of America. Unregistered securities may not be offered or sold in the United States of America unless they are exempt from registration in accordance with the U.S. Securities Act of 1933, as amended.

