## Yandex

## Quarterly Supplementary Materials

## Revenue Structure

Yandex Revenue Breakdown¹, MM RUB, \%

- Yandex Properties Online Ad Revenues - Advertising Network Online Ad Revenues - Other Revenues



## Operational Metrics

Growth In Paid Clicks and CPC, \%



* Paid clicks, excluding paid clicks on Yandex.Market, grew $22 \%$ in Q3'18, $20 \%$ in Q4'18, $20 \%$ in Q1' $19,20 \%$ in Q2'19 YoY; CPC, excluding clicks of Yandex.Market, grew $2 \%$ in Q3'18,


## Traffic Acquisition Costs

Partner TAC as \% of Ad Network Revenue, MM RUB, \%
Partner TAC
--Partner TAC as \% of Ad Network Revenue


Distribution TAC as \% of Yandex Websites Online Ad Revenue, MM RUB, \% mistribution TAC
-Distribution TAC as \% of Yandex Websites Revenue

${ }^{4}$ As online advertising formats continue to converge, starting from Q1 2016 we are no longer providing a breakdown of our online ad revenues into text-based and display revenues. However, we continue to separately present online advertising revenues from Yandex properties and revenues from our Ad Network. As a result, we show Partner TAC as \% of our Ad Network revenue, which includes revenues from text-based ad network and our display ad network, and distribution TAC as $\%$ of our online advertising revenues from text-based and display advertising on our owned and operated websites

## Headcount

Headcount ${ }^{1}$ by GAAP Cost Category ${ }^{2} \quad$ Cost of Sales $\quad$ Product Development $\quad$ SG\&A $\rightarrow$-Personnel costs as $\%$ of Revenue

${ }^{1}$ As of the end of the period
${ }^{2}$ Items may not total $100 \%$ due to rounding

* In Q4'18 our headcount was down 1\% compared to September 30, 2018. This decrease was mainly due to headcount reclassification, which we implemented to ensure consistency in internal reporting ** In Q1'19 our headcount was down $2 \%$ compared to December 31, 2018. This decrease was mainly due to headcount reclassification, which we continued to implement to ensure consistency in internal reporting


## Capex

MM RUB, as \% of Revenue
Capex -Capex as \% of Revenue


* In Q4 2018 capital expenditures were 13.9 billion RUB, which included one-time effect of the acquisition cost of the property site for our new Moscow headquarters, which amounted to 9.7 billion RUB (around $\$ 145$ million, based on the exchange rate as of transaction date) exclusive of $18 \%$ VAT


## Costs, MM RUB

| Costs, MM RUB | Q1'17 | Q2'17 | Q3'17 | Q4'17 | Q1'18 | Q2'18 | Q3'18 | Q4'18 | Q1'19 | Q2'19 | Q3'19 | Q4'19 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cost of Sales (COS) |  |  |  |  |  |  |  |  |  |  |  |  |
| TAC | 3,935 | 4,216 | 4,405 | 4,789 | 4,317 | 4,724 | 5,293 | 6,164 | 5,342 | 5,594 | 5,757 | 6,631 |
| COS ex-SBC, ex-TAC | 1,375 | 1,472 | 1,607 | 1,975 | 2,359 | 3,493 | 3,724 | 5,639 | 6,175 | 6,919 | 8,132 | 10,945 |
| SBC related to COS | 42 | 64 | 36 | 36 | 36 | 43 | 47 | 54 | 68 | 64 | 72 | 89 |
| Total Cost of Sales | 5,352 | 5,752 | 6,048 | 6,800 | 6,712 | 8,260 | 9,064 | 11,857 | 11,585 | 12,577 | 13,961 | 17,665 |
| Total COS as \% of Revenue | 26\% | 26\% | 26\% | 24\% | 25\% | 28\% | 28\% | 31\% | 31\% | 30\% | 31\% | 34\% |
| Product Development (PD) |  |  |  |  |  |  |  |  |  |  |  |  |
| PD ex-SBC | 3,975 | 3,971 | 4,043 | 4,400 | 4,657 | 4,328 | 4,395 | 4,749 | 5,274 | 5,416 | 5,744 | 6,481 |
| SBC related to PD | 576 | 542 | 548 | 811 | 1,146 | 1,058 | 1,139 | 1,107 | 1,432 | 1,579 | 1,663 | 1,620 |
| Total PD | 4,551 | 4,513 | 4,591 | 5,211 | 5,803 | 5,386 | 5,534 | 5,856 | 6,706 | 6,995 | 7,407 | 8,101 |
| $P D$ as \% of Revenue | 22\% | 20\% | 20\% | 19\% | 22\% | 18\% | 17\% | 15\% | 18\% | 17\% | 16\% | 16\% |
| SG\&A |  |  |  |  |  |  |  |  |  |  |  |  |
| SG\&A expense ex-SBC | 4,625 | 5,727 | 7,768 | 7,497 | 7,558 | 8,378 | 8,365 | 9,983 | 9,732 | 10,378 | 11,486 | 15,291 |
| SBC related to SG\&A | 340 | 359 | 292 | 547 | 451 | 460 | 530 | 481 | 619 | 704 | 935 | 1,010 |
| Total SG\&A | 4,965 | 6,086 | 8,060 | 8,044 | 8,009 | 8,838 | 8,895 | 10,464 | 10,351 | 11,082 | 12,421 | 16,301 |
| $S G \& A$ as \% of Revenue | 24\% | 28\% | 34\% | 29\% | 30\% | 30\% | 27\% | 27\% | 28\% | 27\% | 28\% | 32\% |
| Depreciation \& Amortization (D\&A) | 2,463 | 2,823 | 2,930 | 3,023 | 2,890 | 2,926 | 3,118 | 3,203 | 3,257 | 3,756 | 3,788 | 3,976 |
| $D \& A$ as \% of Revenue | 12\% | 13\% | 13\% | 11\% | 11\% | 10\% | 10\% | 8\% | 9\% | 9\% | 8\% | 8\% |
| Goodwill Impairment | - | - | - | - | - | - | - | - | - | - | - | 762 |
| Total Costs | 17,331 | 19,174 | 21,629 | 23,078 | 23,414 | 25,410 | 26,611 | 31,380 | 31,899 | 34,410 | 37,577 | 46,805 |
| Total Costs as \% of Revenue | 84\% | 87\% | 92\% | 83\% | 88\% | 86\% | 82\% | 81\% | 86\% | 83\% | 83\% | 91\% |

## Quarterly Financial Summary by Segment

| Revenues, MM RUB | Q1'18 | Q2'18 | Q3'18 | Q4'18 | FY '18 | Q1'19 | Q2'19 | Q3'19 | Q4'19 | FY'19 | Revenue growth, \%YoY | Q1'18 | Q2'18 | Q3'18 | Q4'18 | FY '18 | Q1'19 | Q2'19 | Q3'19 | Q4'19 | FY '19 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Search \& Portal | 21,569 | 23,965 | 25,816 | 29,671 | 101,021 | 27,109 | 29,090 | 31,172 | 34,463 | 121,834 | Search \& Portal | 18\% | 21\% | 24\% | 26\% | 23\% | 26\% | 21\% | 21\% | 16\% | 21\% |
| S\&P, excl. IoT | 21,569 | 23,965 | 25,801 | 29,376 | 100,711 | 26,887 | 28,899 | 30,894 | 33,676 | 120,356 | S\&P, excl. IoT | - | - | - | - | - | 25\% | 21\% | 20\% | 15\% | 20\% |
| E-commerce | 1,255 | 442 | - | - | 1,697 | - | - | - | - | - | E-commerce | -3\% | -62\% | - | - | -66\% | - | - | - | - | - |
| Taxi | 3,116 | 4,064 | 5,109 | 6,924 | 19,213 | 7,639 | 8,810 | 9,654 | 11,942 | 38,045 | Taxi | 301\% | 426\% | 344\% | 216\% | 293\% | 145\% | 117\% | 89\% | 72\% | 98\% |
| Ride-hailing \& FoodTech | 3,116 | 4,064 | 5,109 | 6,924 | 19,213 | 7,639 | 8,810 | 9,654 | 11,942 | 38,045 | Ride-hailing \& FoodTech | 301\% | 426\% | 344\% | 216\% | 293\% | 145\% | 117\% | 89\% | 72\% | 98\% |
| SDC | - | - | - | - | - | - | - | - | - | - | SDC | - | - | - | - | - | - | - | - | - |  |
| Classifieds | 706 | 915 | 988 | 1,108 | 3,717 | 1,106 | 1,302 | 1,371 | 1,611 | 5,390 | Classifieds | 92\% | 101\% | 80\% | 61\% | 81\% | 57\% | 42\% | 39\% | 45\% | 45\% |
| Media Services | 421 | 395 | 414 | 679 | 1,909 | 734 | 876 | 924 | 1,333 | 3,867 | Media Services | 73\% | 57\% | 43\% | 69\% | 61\% | 74\% | 122\% | 123\% | 96\% | 103\% |
| Other Bets and Experiments | 779 | 1,130 | 1,480 | 2,236 | 5,625 | 2,478 | 3,420 | 4,088 | 5,096 | 15,082 | Other Bets and Experiments | 138\% | 225\% | 232\% | 209\% | 205\% | 218\% | 203\% | 176\% | 128\% | 168\% |
| Eliminations | $(1,273)$ | $(1,239)$ | $(1,237)$ | $(1,776)$ | $(5,525)$ | $(1,782)$ | $(2,101)$ | $(2,195)$ | $(2,749)$ | $(8,827)$ | Eliminations | 98\% | 75\% | 55\% | 55\% | 68\% | 40\% | 70\% | 77\% | 55\% | 60\% |
| Total Revenues | 26,573 | 29,672 | 32,570 | 38,842 | 127,657 | 37,284 | 41,397 | 45,014 | 51,696 | 175,391 | Total Revenues | 29\% | 34\% | 39\% | 39\% | 36\% | 40\% | 40\% | 38\% | 33\% | 37\% |

Our segments structure includes:

- Search and Portal segment offers a broad range of services in Russia, Belarus, Kazakhstan and Uzbekistan
- E-commerce segment includes Yandex.Market for the period prior to April 27, 2018, the date of the completion of the Yandex.Market joint venture between Yandex and Sberbank
- Taxi segment includes our Ride-hailing business (including Yandex. Taxi and Uber in Russia and neighboring countries), FoodTech business (including Yandex.EATs, Yandex.Chef, a meal kit subscription service, and Yandex.Lavka, a hyperlocal grocery delivery service) and our Self-Driving Cars division
- Classifieds segment includes Auto.ru, Yandex.Realty and Yandex.Jobs
- Media Services segment includes KinoPoisk, Yandex.Music, Yandex.Afisha, Yandex.TV program, our production center Yandex.Studio and our subscription service Yandex. Plus
- Other Bets and Experiments category includes Zen, Yandex.Cloud, Yandex.Drive, Geolocation Services and Yandex.Education
- Eliminations in our revenues represent the elimination of transactions between the reportable segments, primarily related to advertising. Eliminations related to our adjusted EBITDA mainly reflect reallocation of a portion of Search and Portal D\&A expenses related to leasehold improvements to office rent expenses of our business unites


## Quarterly Financial Summary by Segment (continued)

| Adj. EBITDA, MM RUB* | Q1'18 | Q2'18 | Q3'18 | Q4'18 | FY '18 | Q1'19 | Q2'19 | Q3'19 | Q4'19 | FY '19 | Adj. EBITDA Margin, \% | Q1'18 | Q2'18 | Q3'18 | Q4'18 | FY '18 | Q1'19 | Q2'19 | Q3'19 | Q4'19 | FY '19 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Search \& Portal | 10,554 | 11,661 | 12,593 | 13,424 | 48,232 | 12,847 | 13,747 | 15,467 | 15,102 | 57,163 | Search \& Portal | 49\% | 49\% | 49\% | 45\% | 48\% | 47\% | 47\% | 50\% | 44\% | 47\% |
| S\&P, excl. IoT | 10,596 | 11,694 | 12,666 | 13,648 | 48,604 | 13,017 | 13,870 | 15,669 | 15,459 | 58,015 | S\&P, excl. IoT | 49\% | 49\% | 49\% | 46\% | 48\% | 48\% | 48\% | 51\% | 46\% | 48\% |
| E-commerce | (162) | (101) | - | - | (263) | - | - | - | - | - | E-commerce | -13\% | -23\% | - | - | -16\% | - | - | - | - | - |
| Taxi | $(1,712)$ | $(1,882)$ | (711) | (129) | $(4,434)$ | (116) | 423 | 170 | 271 | 748 | Taxi | -55\% | -46\% | -14\% | -2\% | -23\% | -1\% | 5\% | 2\% | 2\% | 2\% |
| Ride-hailing \& FoodTech | $(1,629)$ | $(1,769)$ | (567) | 45 | $(3,920)$ | 111 | 726 | 590 | 826 | 2,253 | Ride-hailing \& FoodTech | -52\% | -44\% | -11\% | 1\% | -20\% | 1\% | 8\% | 6\% | 7\% | 6\% |
| SDC | (83) | (113) | (144) | (174) | (514) | (227) | (303) | (420) | (555) | $(1,505)$ | SDC | $n / m$ | $n / m$ | $n / m$ | $n / m$ | $n / m$ | $n / m$ | $n / m$ | $n / m$ | $n / m$ | $n / m$ |
| Classifieds | (287) | 44 | 78 | (18) | (183) | (328) | 265 | 43 | 330 | 310 | Classifieds | -41\% | 5\% | 8\% | -2\% | -5\% | -30\% | 20\% | 3\% | 20\% | 6\% |
| Media Services | (97) | (260) | (238) | (215) | (810) | (440) | (438) | (636) | (688) | $(2,202)$ | Media Services | -23\% | -66\% | -58\% | -32\% | -42\% | -60\% | -50\% | -69\% | -52\% | -57\% |
| Other Bets and Experiments | (623) | (733) | (962) | (792) | $(3,110)$ | $(1,239)$ | (947) | $(1,180)$ | $(1,839)$ | $(5,205)$ | Other Bets and Experiments | -80\% | -65\% | -65\% | -35\% | -55\% | -50\% | -28\% | -29\% | -36\% | -35\% |
| Eliminations | 31 | 27 | 41 | 44 | 143 | 44 | 47 | 55 | 54 | 200 | Eliminations | -2\% | -2\% | -3\% | -2\% | -3\% | -2\% | -2\% | -3\% | -2\% | -2\% |
| Total Adj.EBITDA | 7,704 | 8,756 | 10,801 | 12,314 | 39,575 | 10,768 | 13,097 | 13,919 | 13,230 | 51,014 | Total Adj. EBITDA Margin | 29\% | 30\% | 33\% | 32\% | 31\% | 29\% | 32\% | 31\% | 26\% | 29\% |

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* Due to adoption of ASU 842 "Leases" since the beginning of 2019, we restated certain financial metrics for FY 2018, including our Adj EBITDA and Adj EBITDA margin of Search and Portal results.


## Yandex

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