Update: Report Q1 2023



2023-05-29

Crunchfish: Market activity around the globe

- Expecting deal breakthrough from Digital Cash in Q2 2023
- Questions raised regarding additional funding
- We maintain our valuation of SEK 51.70 per share

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Ticker:	CFISH
Industry:	Technology
Listed on:	Nasdag First North
Latest share price (SEK):	24,70
Market cap (MSEK):	816
Enterprise Value (MSEK):	797
Total number of shares (M):	33,04
- of which free float (M):	17,80
VHCF fair value per share	SEK 51.70
Address:	Crunchfish AB Stora Varvsgatan 6A 211 19 Malmö
Webpage:	crunchfish.com
CEO:	Joachim Samuelsson
Main owners (31 Dec 202 Femari Invest AB	2) Capital (%)

Wall Owners (ST Dec 2022)	Capital (76)
Femari Invest AB	22,7
Corespring Invest AB	18,1
Paul Cronholm	3,3
Carlquist Holding AB	3,0
Mikael Kretz	2,2

Share price history (SEK)



Crunchfish reported a quarter in line with our previous expectations. The company continues to showcase increased market activity which even led to an international award. Furthermore, the company is getting closer to its first major deal within Digital Cash in India, which we expect to close during Q2 2023. In terms of financials, we expect Crunchfish to raise additional capital in 2023, but see risk of non-occurrence regarding the previously communicated investment from Socio Aps. In summary, we chose to maintain a fair value of SEK 51.70 per share.

In Q3 2023 Crunchfish reported net revenue of SEK 171 thousand. The company booked SEK 4.1 million in capitalized development costs and SEK 0.5 million in other operating income. This resulted in a total operating income of SEK 4.7 million. The operating expenses (excluding D&A) came in at SEK -10.5 million, resulting in a negative EBITDA of SEK -5.7 million. This can be compared to the same quarter 2022 where the EBITDA amounted to SEK -5.1 million. Altogether, the company exited the quarter with SEK 19.0 million in cash.

Together with HDCF and IDFC, Crunchfish have trialed their solution for full-offline payments, meaning both the payer and the receiver are completely offline in the transaction. After passing the initial security test conducted by RBI, the project went live in the beginning of Q1 and has now been running for four months. The Pilot was officially ended on the 15th of May and RBI is currently writing a report and completing the evaluation.

Table 1: Financial Overview

MSEK	2021	2022	2023e	2024e	2025e
Total revenues	20,3	21,7	61,4	150,3	287,3
Growth (%)	-12%	7%	183%	145%	91%
EBITDA	-29,2	-18,1	8,9	67,6	181,8
EBITDA margin (%)	neg	neg	14%	45%	63%
EBT	-38,5	-24,0	1,9	58,6	171,6
Cash holdings	32,8	29,3	35,2	80,7	227,9
Total assets	64,2	66,5	99,4	158,4	330,6
Total equity	55,8	58,8	90,8	149,4	321,0
Solidity (%)	87%	88%	91%	94%	97%
P/E	neg	neg	470,3	15,5	5,3
ROE	neg	neg	2%	39%	53%
EV/EBIT (x)	neg	neg	442,0	15,0	5,1
EV/Sales (x)	43,1	40,3	14,3	5,8	3,0

Ongoing negotiat- ions in India	During the web conference held in connection with the report, Joachim Samuelsson, the CEO of Crunchfish, stated that the solution has been tested by thousands of users across various locations in India, ranging from metropolitan cities to rural areas. The Q1 report highlights the progress made in commercial and legal discussions with HDFC and IDFC, which have now evolved into negotiations for agreements. Additionally, the process with IDFC First Bank is believed to be in its final stages, and it is anticipated that an agreement could be signed during Q2.
Potential deal structures	Samuelsson is also discussing his current outlook on potential future deal structures with HDCF and IDFC. He believes that a combination of upfront payments and license fees is likely to be the case, with various possible structures. These structures could be based on either user counts or transaction volumes, which have varied depending on the dialogue with the individual bank.
Due Dilligence trig- gers doubts for ac- quisition	In Q1, Crunchfish also entered a Letter of Intent (LOI) to acquire an Indian payment platform company. Following through due diligence, certain technical findings have surfaced that require further assessment before proceeding. Currently, discussions are underway, and the team is evaluating the timeframe needed to address these matters effectively. The outcome of the acquisition is heavily contingent upon the undisclosed technical findings that have been identified during the acquisition process. At this stage, we believe that the acquisition is uncertain, and further information is necessary to assess whether it will proceed or not.
Nigeria update	In Nigeria, the project has encountered delays due to the local elections and the sub- sequent change in administration at the Central Bank of Nigeria. During the web con- ference, Samuelson also highlighted how budget constraints have impacted the Cen- tral Bank and their decision. To overcome this, Samuelsson mentions how an agree- ment involving smaller user quantities could be a potential solution to move the project forward and hope to reengage the dialogue with the Central Bank again. Simultane- ously, discussions have been initiated with Sterling Bank, a private sector bank in Ni- geria. The expectation is to achieve further development and suggest a demonstration agreement during the second quarter 2023.
Award received in Mexico	Crunchfish continue to get international recognition for its progression within Digital Cash. At the Digital Currency Conference in Mexico the company was awarded for <i>"Outstanding Advancement in Digital Currency".</i> The jury was especially impressed by Digital Cash as a software solution as well as its resilience. Samuelsson was present at the conference as a panelist and in the web conference in connection with the report, explained that he and the team will continue its market activity by participating in upcoming industry events. In June, Crunchfish will engage in conferences in Mumbai, Hong Kong, and Cape Town.
New business op- portunities arise within e-shopping	Within the business area Gesture Interaction Crunchfish continue to develop technol- ogy that detects and tracks hand and body motions. The company has now identified new business opportunities within the growing market for e-shopping. Crunchfish's Gesture Interaction product is now enabled for web browsers and works seamlessly with standard computer cameras. This technological improvement has produced re- sults with an agreement on a Proof-of-Concept project with Change2 to develop a joint offering for virtual try-ons. Samuelsson further explained how this project is still in its early days, however, recognize that AR/VR for e-shopping stands a good chance of becoming a third segment in the company's Gesture Interaction offering.
Evaluating addit- ional funding	Crunchfish has previously entered into a memorandum of understanding (MOU) with Socio ApS, where Socio is intending to make an equity investment in Crunchfish for

	three million shares based on market terms and conditions. The investment was origi- nally scheduled for February 2023 but has been postponed as Socio has not secured sufficient financing yet. Samuelson mentions that Crunchfish's plan is to renew the MOU with Socio, but they are also open to exploring investments from other third par- ties.
Keeping our finan- cial outlook	Our scenario still implies a need for further financing in the future. In line with our pre- vious anticipation, we acknowledge the risk of non-occurrence regarding the invest- ment from Socio. In our previous research update, we had anticipated a capital raise of MSEK 30 million in Q2 2023. Nevertheless, considering the prevailing uncertainty sur- rounding future events, we have rescheduled the expected capital raise of MSEK 30 to Q3 2023. Other than this we do not see any updates in this report that have changed our short or long-term projections.
We maintain our valuation	We therefore maintain our valuation for Crunchfish of SEK 51.70 per share unchanged.

Income Statement - Annual Data

kSEK	2021	2022	2023e	2024e	2025e	2026e	2027e	2028e
Net revenues	3 957	6 187	44 242	132 915	269 503	360 885	462 291	690 269
Capitalised development cost	14 342	13 555	15 226	15 294	15 521	15 770	16 024	16 281
Other revenues	2 045	1 976	1 915	2 073	2 244	2 429	2 630	2 846
Total revenues	20 344	21 718	61 384	150 282	287 268	379 085	480 944	709 397
Cost of goods sold	-211	0	0	0	0	0	0	0
Personnel costs	-23 388	-21 735	-28 409	-41 407	-52 801	-67 329	-79 775	-88 474
Other external costs	-16 011	-16 175	-21 005	-35 196	-44 881	-57 229	-67 809	-75 203
Other operating expenses	-755	-1 857	-3 118	-6 128	-7 814	-9 965	-11 807	-13 094
Profit from affiliated companies	-9 186	-68	-0	0	0	0	0	0
EBITDA	-29 207	-18 116	8 852	67 550	181 773	244 562	321 554	532 625
Amortisation & depreciation	-7 661	-6 139	-6 870	-8 973	-10 160	-11 172	-12 043	-12 800
EBIT	-36 868	-24 255	1 982	58 578	171 613	233 390	309 511	519 825
Financial items, net	-1 600	214	-57	0	0	0	0	0
EBT	-38 468	-24 042	1 925	58 578	171 613	233 390	309 511	519 825
Taxes	0	0	0	0	-15	-48 078	-63 759	-107 084
Net profit	-38 468	-24 042	1 925	58 578	171 598	185 312	245 752	412 741
Earnings per share (SEK)	-1,26	-0,73	0,04	1,72	5,03	5,43	7,20	12,09
Growth (%)								
Net revenues	-63,6%	56,4%	615,1%	200,4%	102,8%	33,9%	28,1%	49,3%
EBITDA	na	na	na	663,1%	169,1%	34,5%	31,5%	65,6%
EBIT	na	na	na	2854,9%	193,0%	36,0%	32,6%	68,0%
Net profit	na	na	na	2942,4%	192,9%	8,0%	32,6%	68,0%
% of revenues (%)								
EBITDA margin	neg	neg	14,4%	44,9%	63,3%	64,5%	66,9%	75,1%
EBIT margin	neg	neg	3,2%	39,0%	59,7%	61,6%	64,4%	73,3%
EBT margin	neg	neg	3,1%	39,0%	59,7%	61,6%	64,4%	73,3%
Profit margin	neg	neg	3,1%	39,0%	59,7%	48,9%	51,1%	58,2%
Personnel costs	591,1%	351,3%	64,2%	31,2%	19,6%	18,7%	17,3%	12,8%
Total OPEX	1014,8%	642,8%	118,7%	62,2%	39,1%	37,3%	34,5%	25,6%
Profitability (%)								
ROE	neg	neg	2,1%	39,2%	53,5%	36,6%	32,7%	35,4%
ROIC	neg	neg	2,8%	67,6%	146,4%	172,6%	197,6%	256,6%

Balance Sheet - Annual Data

2021	2022	2023e	2024e	2025e	2026e	2027e	2028
0	0	0	0	0	0	0	(
771	1 548	18 436	25 494	44 838	54 992	68 465	102 027
33	0	1 000	1 000	1 000	1 000	1 000	1 000
1 384	1 089	1 632	1 746	1 828	1 915	2 007	2 105
1 093	450	677	754	799	839	880	922
32 756	29 293	35 156	80 650	227 937	398 935	627 710	1 003 926
36 037	32 380	56 900	109 644	276 401	457 680	700 062	1 109 980
696	535	413	336	274	223	182	148
27 323	33 509	41 987	48 385	53 809	58 458	62 480	65 995
0	0	0	0	0	0	0	(
137	69	68	68	68	68	68	68
28 155	34 113	42 469	48 790	54 152	58 750	62 730	66 211
64 192	66 493	99 369	158 434	330 553	516 430	762 792	1 176 191
1 104	1 914	2 163	2 175	2 183	2 191	2 201	2 21(
4 188	4 645	5 190	5 612	6 065	6 558	7 093	7 672
3 057	1 161	1 189	1 243	1 303	1 366	1 433	1 502
0	0	0	0	0	0	0	(
8 349	7 721	8 542	9 030	9 551	10 116	10 727	11 385
0	0	0	0	0	0	0	(
55 843	58 771	90 827	149 404	321 002	506 314	752 065	1 164 807
64 192	66 493	99 369	158 434	330 553	516 430	762 792	1 176 191
	0 771 33 1 384 1 093 32 756 36 037 696 27 323 0 137 28 155 64 192 1 104 4 188 3 057 0 8 349 0	0 0 771 1 548 33 0 1 384 1 089 1 093 450 32 756 29 293 36 037 32 380 696 535 27 323 33 509 0 0 137 69 28 155 34 113 64 192 66 493 1 104 1 914 4 188 4 645 3 057 1 161 0 0 8 349 7 721 0 0	0 0 0 771 1 548 18 436 33 0 1 000 1 384 1 089 1 632 1 093 450 677 32 756 29 293 35 156 36 037 32 380 56 900 696 535 413 27 323 33 509 41 987 0 0 0 137 69 68 28 155 34 113 42 469 64 192 66 493 99 369 1 104 1 914 2 163 4 188 4 645 5 190 3 057 1 161 1 189 0 0 0 0 0 0 3 057 1 161 1 189 0 0 0 8 349 7 721 8 542 0 0 0	0 0 0 0 0 771 1548 18436 25494 33 0 1000 1000 1 384 1089 1632 1746 1 093 450 677 754 32 756 29 293 35 156 80 650 36 037 32 380 56 900 109 644 696 535 413 336 27 323 33 509 41 987 48 385 0 0 0 0 137 69 68 68 28 155 34 113 42 469 48 790 64 192 66 493 99 369 158 434 1 104 1 914 2 163 2 175 4 188 4 645 5 190 5 612 3 057 1 161 1 189 1 243 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 771 1 548 18 436 25 494 44 838 33 0 1000 1000 1000 1 384 1 089 1 632 1 746 1 828 1 093 450 677 754 799 32 756 29 293 35 156 80 650 227 937 36 037 32 380 56 900 109 644 276 401 696 535 413 336 274 27 323 33 509 41 987 48 385 53 809 0 0 0 0 0 0 137 69 68 68 68 28 155 34 113 42 469 48 790 54 152 64 192 66 493 99 369 158 434 330 553 1 104 1 914 2 163 2 175 2 183 4 188 4 645 5 190 5 612 6 065 3 057 1 1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 0

kSEK	2021	2022	2023e	2024e	2025e	2026e	2027e	2028e
Operating activities	-20 952	-16 604	8 831	67 550	181 758	196 484	257 795	425 542
Changes in working capital	1 566	79	-17 836	-6 762	-18 950	-9 716	-12 996	-33 044
Investing activities	-15 837	-13 616	-15 226	-15 294	-15 521	-15 770	-16 024	-16 281
Financing activities	59 303	26 840	30 000	0	0	0	0	0
Cash flow for the period	24 022	-3 687	5 899	45 494	147 286	170 998	228 775	376 216
Beginning cash balance	-7 767	16 321	12 715	18 614	64 108	211 394	382 392	611 168
Adjustments	65	80	0	0	0	0	0	0
Ending cash balance	16 321	12 715	18 614	64 108	211 394	382 392	611 168	987 384
-								

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kSEK	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023e	Q3 2023e	Q4 2023e
Net revenues	216	134	5 806	30	171	700	19 340	24 032
Capitalised development cost	3 435	3 429	3 133	3 559	4 104	3 627	3 678	3 817
Other revenues	591	530	467	388	465	474	484	493
Total revenues	4 241	4 094	9 406	3 977	4 739	4 801	23 501	28 342
Cost of goods sold	0	0	0	0	0	0	0	0
Personnel costs	-5 322	-5 311	-5 103	-5 999	-6 154	-6 287	-7 248	-8 719
Other external costs	-4 210	-3 917	-3 644	-4 403	-4 315	-4 715	-5 436	-6 540
Other operating expenses	-472	0	0	0	-1 857	-2	-880	-1 015
Profit from affiliated companies	-32	-15	-20	-2	-0	0	0	0
EBITDA	-5 795	-5 149	639	-6 427	-7 587	-6 203	9 937	12 069
Amortisation & depreciation	-1 449	-1 664	-1 635	-1 391	-1 039	-1 855	-1 944	-2 031
EBIT	-7 244	-6 813	-995	-7 818	-8 626	-8 058	7 993	10 038
Financial items, net	39	64	95	15	-57	0	0	0
EBT	-7 205	-6 749	-900	-7 803	-8 683	-8 058	7 993	10 038
Taxes	0	0	0	0	0	0	0	0
Net profit	-7 205	-6 749	-900	-7 803	-8 683	-8 058	7 993	10 038
Earnings per share (SEK)	-0,42	-0,19	-0,21	-0,03	-0,29	-0,21	-0,27	0,23
Y-o-Y Growth (%)								
Net revenues	-80,4%	-85,3%	449,8%	-96,5%	-21,2%	420,7%	233,1%	78792,1%
EBITDA	na	na	na	na	na	na	1388,1%	na
EBIT	na	na	na	na	na	na	na	na
Net profit	na	na	na	na	na	na	na	na
% of revenues (%)								
EBITDA margin	neg	neg	7,0%	neg	neg	neg	41,7%	41,9%
EBIT margin	neg	neg	neg	neg	neg	neg	33,4%	34,7%
EBT margin	neg	neg	neg	neg	neg	neg	33,4%	34,7%
Profit margin	neg	neg	neg	neg	neg	neg	33,4%	34,7%
Personnel costs	2460,0%	3950.2%	87,9%	19694,8%	3608,0%	898,1%	37,5%	36,3%
Total OPEX	4624,0%	6864,0%	150,7%	34150,3%	7226,1%	1572,1%	70,1%	67,7%
Profitability (%)								
ROE	neg	neg	neg	neg	neg	neg	neg	11,1%
ROIC	neg	neg	neg	neg	neg	neg	neg	0,0%

0 **8 475**

0

30 550

0

35 156

kSEK	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023e	Q3 2023e	Q4 2023e
Inventories	0	0	0	0	0	0	0	0
Account receivable	581	543	6 1 1 4	1 548	545	537	14 836	18 436
Receivables fr affiliated comp	16	8	8	0	0	1 000	1 000	1 000
Prepaid costs & accrued income	1 412	1 842	1 089	1 089	2 140	1 586	1 521	1 632
Other receivables	961	1 203	962	450	612	831	735	677
Cash and cash equivalents	23 583	19 055	10 833	29 293	19 029	8 475	30 550	35 156
Total current assets	26 552	22 650	19 005	32 380	22 327	12 429	48 642	56 900
Tangible assets	700	646	590	535	482	458	435	413
Intangible assets	29 364	31 183	32 737	33 509	36 627	38 423	40 180	41 987
Long-term receivables	0	0	0	0	0	0	0	0
Affiliated companies	104	90	70	69	68	68	68	68
Total fixed assets	30 168	31 919	33 398	34 113	37 177	38 949	40 683	42 469
Total assets	56 720	54 569	52 403	66 493	59 504	51 378	89 325	99 369
Accounts payable	1 298	1 893	968	1 914	1 107	2 159	2 152	2 163
Accrued cost & prepaid income	4 726	4 782	4 245	4 645	5 184	4 950	4 994	5 190
Other liabilities	1 586	933	1 165	1 161	1 139	1 133	1 184	1 189
Loans	0	0	0	0	0	0	0	0
Total current liabilities	7 610	7 608	6 378	7 721	7 430	8 241	8 330	8 542
Total non-current liabilities	0	0	0	0	0	0	0	0
Total equity	49 111	46 961	46 025	58 771	52 073	43 137	80 995	90 827
Total equity and liabilities	56 720	54 569	52 403	66 493	59 504	51 378	89 325	99 369
Source: Västra Hamnen Corporate	e Finance							
Cash flow statement								
kSEK	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023	Q2 2023e	Q3 2023e	Q4 2023e
Operating activities	-5 289	-5 145	774	-6 945	-5 753	-7 081	9 802	11 863
Changes in working capital	-361	-203	-6 135	6 450	-476	153	-14 048	-3 440
Investing activities	-3 495	-3 429	-3 133	-3 559	-4 104	-3 627	-3 678	-3 817
Financing activities	-58	4 178	292	22 370	105	0	30 000	0
Cash flow for the period	-9 203	-4 598	-8 202	18 316	-10 228	-10 555	22 076	4 606
Beginning cash balance	32 756	23 583	19 055	10 833	29 293	19 029	8 475	30 550

10 833

29 293

19 029

Adjustments Ending cash balance 70 **19 055** 30 -20 0 0

23 583

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