

European Union MAD2 / MAR Directive and Regulation

COMPANIES IN WHICH BNP PARIBAS HOLDS LONG POSITIONS (> +0,5%)

COMPANIES IN WHICH BNP PARIBAS HOLDS SHORT POSITIONS (< -0,5%)

NB: the short positions are primarily linked to short-term trading activities, not reflecting necessarily the BNP Paribas financial opinion on the concerned companies

Directive et Réglementation MAD2 / MAR de l'Union Européenne

SOCIÉTÉS DANS LESQUELLES BNP PARIBAS DÉTIENT DES POSITIONS LONGUES (> +0,5%)

SOCIÉTÉS DANS LESQUELLES BNP PARIBAS DÉTIENT DES POSITIONS COURTES (< -0,5%)

NB : les positions courtes sont essentiellement liées à des activités court-terme de trading, ne reflétant pas nécessairement l'opinion financière de BNP Paribas sur les sociétés concernées

Direttiva e regolamento MAD2 / MAR dell'Unione europea

AZIENDE NELLE QUALI BNP PARIBAS DETIENE POSIZIONI LUNGHE (> +0,5%)

AZIENDE NELLE QUALI BNP PARIBAS DETIENE POSIZIONI CORTE (< -0,5%)

NB: le posizioni corte sono principalmente collegate alle attività di negoziazione di breve non riflettendo necessariamente l'opinione finanziaria di BNP Paribas sulle società interessate

Richtlinie und Verordnung MAD2 / MAR der Europäischen Union

UNTERNEHMEN, IN DENEN BNP PARIBAS LONG-POSITIONEN HÄLT (> +0,5%)

UNTERNEHMEN, IN DENEN BNP PARIBAS SHORT-POSITIONEN HÄLT (< -0,5%)

NB: short-Positionen sind im Wesentlichen mit kurzfristigen Handelsaktivitäten verbunden, die nicht unbedingt die finanzielle Einschätzung von BNP Paribas zu den betreffenden Unternehmen widerspiegeln

Richtlijn en Verordening MAD2 / MAR van de Europese Unie

BEDRIJVEN WAARIN BNP PARIBAS LONG-POSITIES HEEFT (> +0,5%)

BEDRIJVEN WAARIN BNP PARIBAS SHORT-POSITIES HEEFT (< -0,5%)

NB: short-posities zijn hoofdzakelijk gekoppeld aan tradingactiviteiten op de korte termijn, die niet noodzakelijkerwijs de financiële opinie van BNP Paribas over de betrokken ondernemingen weerspiegelen

Source / Fonte / Quelle / Bron: Compliance BNP Paribas / Global Control Room / Positions Reporting

ISIN	Name / Nom / Nome / Naam	%	Date / Data / Datum
GG00BFMDJ822	ABERDEEN PRIVATE EQUITY FUND	1.83	14-02-2019
US74926P7612	ACCESS CAPITAL COMMUNITY-I	9.38	14-02-2019
GB00B0MSB420	ACENCIA DEBT STRATEGIES LTD	12.41	14-02-2019
BE0974264930	AGEAS	2.03	14-02-2019
CNE100000Q43	AGRICULTURAL BANK OF CHINA-H	0.65	14-02-2019
CA01163Q4007	ALARIS ROYALTY CORP	-1.11	14-02-2019
US0222761092	ALUMINUM CORP OF CHINA-ADR	0.87	14-02-2019
INE371P01015	AMBER ENTERPRISES INDIA LTD	0.81	14-02-2019

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ISIN	Name / Nom / Nome / Naam	%	Date / Data / Datum
CNE0000014G0	ANGEL YEAST CO LTD-A	0.70	14-02-2019
GB00B1XZS820	ANGLO AMERICAN PLC	-3.37	14-02-2019
CNE1000001W2	ANHUI CONCH CEMENT CO LTD-H	0.61	14-02-2019
US03837J1016	AQUA METALS INC	0.70	14-02-2019
CA00208D4084	ARC RESOURCES LTD	-2.15	14-02-2019
US04010E1091	ARGAN INC	-0.68	14-02-2019
US04351G1013	ASCENA RETAIL GROUP INC	-0.57	14-02-2019
ZAE000111829	AVENG LTD	2.59	14-02-2019
US05961W1053	BANCO MACRO SA-ADR	0.82	14-02-2019
US05965X1090	BANCO SANTANDER-CHILE-ADR	2.51	14-02-2019
PLBGZ0000010	BANK BGZ BNP PARIBAS SA	24.07	14-02-2019
CNE1000001Z5	BANK OF CHINA LTD-H	0.66	14-02-2019
CA0641491075	BANK OF NOVA SCOTIA	-0.61	14-02-2019
PLPEKAO00016	BANK PEKAO SA	-0.77	14-02-2019
US06684L1035	BAOZUN INC-SPN ADR	0.51	14-02-2019
CA05534B7604	BCE INC	-1.01	14-02-2019
CNE000001QM5	BEIJING THUNISOFT CORP LTD-A	0.54	14-02-2019
ID1000068000	BFI FINANCE INDONESIA TBK PT	2.69	14-02-2019
INE180K01011	BHARAT FINANCIAL INCLUSION L	1.08	14-02-2019
GB00BGFBJM27	BLACKROCK NEW ENERGY INVESTM	2.46	14-02-2019
US0669238638	BLCKRCK LFEPTH INDX 2020-K	0.93	14-02-2019
US0669237986	BLCKRCK LFEPTH INDX 2030-K	0.90	14-02-2019
US0669237317	BLCKRCK LFEPTH INDX 2040-K	0.55	14-02-2019
US0669236657	BLCKRCK LFEPTH INDX 2050-K	0.64	14-02-2019
US0669238067	BLCKRCK LFEPTH INDX RTRM-K	0.77	14-02-2019
INE153T01027	BLS INTERNATIONAL LTD	0.86	14-02-2019
US09609G1004	BLUEBIRD BIO INC	-0.94	14-02-2019
FR0013358041	BOLLORE NV-NEW	2.97	14-02-2019
CA0985461049	BONTERRA ENERGY CORP	-0.53	14-02-2019
US0994061002	BOOT BARN HOLDINGS INC	-0.73	14-02-2019
US13462K1097	CAMPING WORLD HOLDINGS INC-A	-0.94	14-02-2019
CA1360691010	CAN IMPERIAL BK OF COMMERCE	-0.56	14-02-2019
CA1366812024	CANADIAN TIRE CORP-CLASS A	-0.79	14-02-2019
FR0010828137	CARMILA	8.84	14-02-2019
FR0000120172	CARREFOUR SA	2.07	14-02-2019
US15136A1025	CENTENNIAL RESOURCE DEVELO-A	-0.75	14-02-2019
CNE100001T80	CGN POWER CO LTD-H	0.64	14-02-2019
CA16387P1036	CHEMTRADE LOGISTICS INCOM FD	-0.68	14-02-2019
CNE1000002F5	CHINA COMMUNICATIONS CONST-H	0.63	14-02-2019
CNE1000002L3	CHINA LIFE INSURANCE CO-H	0.53	14-02-2019

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ISIN	Name / Nom / Nome / Naam	%	Date / Data / Datum
CNE1000002M1	CHINA MERCHANTS BANK-H	0.52	14-02-2019
CNE100000HF9	CHINA MINSHENG BANKING COR-H	1.63	14-02-2019
CNE1000009Q7	CHINA PACIFIC INSURANCE GR-H	0.59	14-02-2019
US16941R1086	CHINA PETROLEUM & CHEM-ADR	0.97	14-02-2019
CNE1000002Q2	CHINA PETROLEUM & CHEMICAL-H	0.64	14-02-2019
CNE1000007Z2	CHINA RAILWAY GROUP LTD-H	0.65	14-02-2019
CNE1000002R0	CHINA SHENHUA ENERGY CO-H	0.59	14-02-2019
US1694261033	CHINA TELECOM CORP LTD-ADR	3.10	14-02-2019
CNE1000002V2	CHINA TELECOM CORP LTD-H	0.67	14-02-2019
CNE100003688	CHINA TOWER CORP LTD-H	0.55	14-02-2019
JP3528600004	CHIYODA CORP	0.85	14-02-2019
CA17040T3001	CHORUS AVIATION INC	-0.97	14-02-2019
BRCESPACNPB4	CIA ENERGETICA DE SP-PREF B	2.15	14-02-2019
CA1724541000	CINEPLEX INC	-0.88	14-02-2019
ID1000070105	CITATAH TBK PT	9.40	14-02-2019
CNE1000016V2	CITIC SECURITIES CO LTD-H	0.53	14-02-2019
US17887R1023	CIVITAS SOLUTIONS INC	-1.04	14-02-2019
INE201M01011	CL EDUCATE LTD	1.86	14-02-2019
US2067871036	CONDUENT INC	0.69	14-02-2019
FR0000060303	COVIVIO HOTELS SACA	10.85	14-02-2019
CA22576C1014	CRESCENT POINT ENERGY CORP	-1.26	14-02-2019
CNE100000BG0	CRRC CORP LTD - H	0.62	14-02-2019
JP3548660004	DCM HOLDINGS CO LTD	-0.62	14-02-2019
INE202B01012	DEWAN HOUSING FINANCE CORP	2.90	14-02-2019
INE836F01026	DISH TV INDIA LTD	1.45	14-02-2019
CNE100000312	DONGFENG MOTOR GRP CO LTD-H	0.61	14-02-2019
INE417B01040	DYNACONS SYSTEMS & SOLUTIONS	0.56	14-02-2019
CA2908761018	EMERA INC	-0.51	14-02-2019
CA29250N1050	ENBRIDGE INC	-0.88	14-02-2019
US29274F1049	ENEL AMERICAS SA-ADR	0.56	14-02-2019
NL0006294274	EURONEXT NV	2.22	14-02-2019
US29975E1091	EVENTBRITE INC-CLASS A	-0.96	14-02-2019
US30219E1038	EXPRESS INC	-0.89	14-02-2019
CA30224T8639	EXTENDICARE INC	-1.18	14-02-2019
SG1O34912152	EZRA HOLDINGS LTD	-0.58	14-02-2019
JP3802600001	FAMILYMART UNY HOLDINGS CO L	1.18	14-02-2019
JP3802300008	FAST RETAILING CO LTD	0.61	14-02-2019
US3131481083	FEDERAL AGRIC MTG CORP-CL A	2.39	14-02-2019
US32008D1063	FIRST DATA CORP- CLASS A	0.52	14-02-2019
US33938J1060	FLEXION THERAPEUTICS INC	-0.52	14-02-2019

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CA3495531079	FORTIS INC	-0.79	14-02-2019
FR0010588079	FREY	11.26	14-02-2019
CA35905B1076	FRONTERA ENERGY CORP	0.56	14-02-2019
JP3809200003	FUJI CORP/AICHI	-0.66	14-02-2019
US36165L1089	GDS HOLDINGS LTD - ADR	0.83	14-02-2019
CA37989N1069	GLUSKIN SHEFF + ASSOCIATES I	-0.70	14-02-2019
INE484J01027	GODREJ PROPERTIES LTD	0.87	14-02-2019
CNE100000338	GREAT WALL MOTOR COMPANY-H	0.52	14-02-2019
US3999091008	GRUPO FINANCIERO GALICIA-ADR	0.53	14-02-2019
CNE1000019K9	HAITONG SECURITIES CO LTD-H	0.55	14-02-2019
BE0003700144	HAMON SA	5.42	14-02-2019
CNE100000WY9	HANGZHOU ROBAM APPLIANCES-A	0.75	14-02-2019
CNE1000006Z4	HUANENG POWER INTL INC-H	0.62	14-02-2019
US4433041005	HUANENG POWER INTL-SPONS ADR	2.85	14-02-2019
CNE100001YQ9	HUATAI SECURITIES CO LTD-H	0.54	14-02-2019
INE219X23014	INDIA GRID TRUST	1.36	14-02-2019
INE126M01010	INDIABULLS INTEGRATED SERVIC	0.61	14-02-2019
INE896L01010	INDOSTAR CAPITAL FINANCE LTD	1.47	14-02-2019
INE095A01012	INDUSIND BANK LTD	1.32	14-02-2019
CA45833V1094	INTER PIPELINE LTD	-1.23	14-02-2019
JP3386380004	J FRONT RETAILING CO LTD	0.73	14-02-2019
US48123V1026	J2 GLOBAL INC	-0.52	14-02-2019
INE780C01023	JM FINANCIAL LTD	0.65	14-02-2019
ID1000071806	KMI WIRE AND CABLE TBK PT	5.24	14-02-2019
CA51925D1069	LAURENTIAN BANK OF CANADA	-0.59	14-02-2019
KR7034220004	LG DISPLAY CO LTD	-0.63	14-02-2019
INE115A01026	LIC HOUSING FINANCE LTD	0.58	14-02-2019
US50212V1008	LPL FINANCIAL HOLDINGS INC	0.51	14-02-2019
US55608B1052	MACQUARIE INFRASTRUCTURE COR	-0.60	14-02-2019
INE387I01016	MAGNUM VENTURES LTD	0.63	14-02-2019
CA56501R1064	MANULIFE FINANCIAL CORP	-1.46	14-02-2019
FR0010241638	MERCIALYS	4.58	14-02-2019
US5950171042	MICROCHIP TECHNOLOGY INC	-0.82	14-02-2019
US59804T4076	MIDSTATES PETROLEUM CO INC	-1.39	14-02-2019
KYG6264V1023	MONGOLIAN MINING CORP	0.65	14-02-2019
TW0002101003	NAN KANG RUBBER TIRE CO LTD	1.24	14-02-2019
CA6330671034	NATIONAL BANK OF CANADA	-0.64	14-02-2019
US6390501038	NATUS MEDICAL INC	0.98	14-02-2019
US64110W1027	NETEASE INC-ADR	3.49	14-02-2019
JP3749400002	NIPPON PAINT HOLDINGS CO LTD	0.85	14-02-2019

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US6903701018	OVERSTOCK.COM INC	-0.64	14-02-2019
US6976602077	PAMPA ENERGIA SA-SPON ADR	1.79	14-02-2019
US70338P1003	PATTERN ENERGY GROUP INC -A	-0.59	14-02-2019
US7034811015	PATTERSON-UTI ENERGY INC	0.60	14-02-2019
CA7063271034	PEMBINA PIPELINE CORP	-0.96	14-02-2019
CNE100001MK7	PEOPLE'S INSURANCE CO GROU-H	0.54	14-02-2019
US7163821066	PETMED EXPRESS INC	-0.75	14-02-2019
US71646E1001	PETROCHINA CO LTD -ADR	2.37	14-02-2019
CNE1000003W8	PETROCHINA CO LTD-H	0.63	14-02-2019
CNE100000593	PICC PROPERTY & CASUALTY-H	0.62	14-02-2019
JP3780200006	PIONEER CORP	0.61	14-02-2019
FR0010211037	PLANET MEDIA	1.56	14-02-2019
INE572E01012	PNB HOUSING FINANCE LTD	0.57	14-02-2019
CA7392391016	POWER CORP OF CANADA	-1.35	14-02-2019
US7403674044	PREFERRED BANK/LOS ANGELES	-0.61	14-02-2019
GB00B0T4SN10	PSOLVE-NICHE OPP LDN	3.26	14-02-2019
US74587V1070	PUMA BIOTECHNOLOGY INC	-0.57	14-02-2019
NL0012169213	QIAGEN N.V.	-0.65	14-02-2019
INE020B01018	REC LTD	0.66	14-02-2019
US75689M1018	RED ROBIN GOURMET BURGERS	3.47	14-02-2019
US7604161072	REPUBLIC FIRST BANCORP INC	-0.51	14-02-2019
JP3973400009	RICOH CO LTD	-0.52	14-02-2019
CA7800871021	ROYAL BANK OF CANADA	-0.62	14-02-2019
CA7819036046	RUSSEL METALS INC	-1.30	14-02-2019
INE807K01035	S CHAND AND CO LTD	1.14	14-02-2019
ID1000059702	SEKAR LAUT TBK PT	1.05	14-02-2019
LU0011858700	SEO 1/5 PRIV	2.77	14-02-2019
LU0011858965	SEO PRIV 'B' LXF5000	11.00	14-02-2019
INE807F01027	SEQUENT SCIENTIFIC LTD	0.59	14-02-2019
CA82028K2002	SHAW COMMUNICATIONS INC-B	-0.87	14-02-2019
KR7055550008	SHINHAN FINANCIAL GROUP LTD	3.77	14-02-2019
US8248891090	SHOE CARNIVAL INC	-0.67	14-02-2019
CNE100000FN7	SINOPHARM GROUP CO-H	0.66	14-02-2019
INE501W01021	SINTEX PLASTICS TECHNOLOGY L	0.94	14-02-2019
US83200N1037	SMARTSHEET INC-CLASS A	-0.99	14-02-2019
CA78460T1057	SNC-LAVALIN GROUP INC	-1.14	14-02-2019
INE624Z01016	SOLARA ACTIVE PHARMA SCIENCE	2.88	14-02-2019
US84652J1034	SPARK THERAPEUTICS INC	-0.57	14-02-2019
INE939A01011	STRIDES PHARMA SCIENCE LTD	2.39	14-02-2019
CA8667961053	SUN LIFE FINANCIAL INC	-1.84	14-02-2019

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ISIN	Name / Nom / Nome / Naam	%	Date / Data / Datum
CA8672241079	SUNCOR ENERGY INC	-1.06	14-02-2019
AU000000SEA7	SUNDANCE ENERGY AUSTRALIA LT	2.84	14-02-2019
GB0007892358	SVG CAPITAL PLC	-15.86	14-02-2019
NL0012015705	TAKEAWAY.COM NV	-0.98	14-02-2019
US8765685024	TATA MOTORS LTD-SPON ADR	1.87	14-02-2019
GG00BD008D90	THAMES RIVER MULTI HEDGE GBP	9.05	14-02-2019
JP3560800009	TOKAI CARBON CO LTD	1.28	14-02-2019
CA89353D1078	TRANSCANADA CORP	-0.64	14-02-2019
US8960475031	TRIBUNE MEDIA CO - A	0.85	14-02-2019
US90138F1021	TWILIO INC - A	-0.54	14-02-2019
US92337C1045	VERASTEM INC	-0.98	14-02-2019
FR0010326090	VIALIFE	1.46	14-02-2019
US92686J1060	VIKING THERAPEUTICS INC	-0.77	14-02-2019
JP3778280002	VITAL KSK HOLDINGS INC	-0.76	14-02-2019
GG00B1GHHH78	VOLTA FINANCE LTD	11.13	14-02-2019
US46630Q2021	VTB BANK JSC -GDR-REG S	3.08	14-02-2019
JP3932000007	YASKAWA ELECTRIC CORP	0.62	14-02-2019
US98426T1060	YY INC-ADR	5.28	14-02-2019
US98936J1016	ZENDESK INC	0.59	14-02-2019
CNE000001KS5	ZHEJIANG SUPOR CO LTD -A	0.89	14-02-2019
US9898171015	ZUMIEZ INC	-0.62	14-02-2019