
Business cycle signals

Results of the SNB company talks

Fourth quarter of 2017

Report submitted to the Governing Board of the Swiss National Bank for its quarterly assessment.

The appraisals presented here are based on discussions between the SNB's delegates for regional economic relations and company managers. A total of 237 company talks were conducted between mid-October and the end of November.

Regions

Geneva
Italian-speaking Switzerland
Mittelland
Northwestern Switzerland
Eastern Switzerland
Vaud-Valais
Central Switzerland
Zurich

Delegates

Jean-Marc Falter
Fabio Bossi
Roland Scheurer
Daniel Hanimann
Urs Schönholzer
Aline Chabloz
Walter Näf
Rita Kobel

Key points

- Discussions with company representatives indicate that growth in the Swiss economy was robust and broad-based in the fourth quarter and that this momentum will be maintained in the first half of 2018.
- Quarter-on-quarter, real turnover once again increased noticeably – and over the corresponding quarter a year ago the increase was substantial.
- Companies' utilisation of technical production capacity has almost normalised, although in a few industries the situation remains unsatisfactory.
- Margins continue to improve, particularly in manufacturing. However, overall, they still remain slightly below what company representatives regard as usual. The situation continues to vary considerably between industries.
- In the coming six months, company representatives expect somewhat stronger advances in real turnover due in large part to the favourable international economic environment and the weakening of the Swiss franc. Companies are therefore planning to increase investment slightly and make some additional hires; the lack of specialised staff was mentioned more frequently than in the past.
- Overall, risk perception has eased. Apart from geopolitical risk, company representatives are now expressing more concern about imbalances on the stock exchange and the real estate market.

CURRENT SITUATION

Strong turnover growth continues

Discussions with companies suggest that economic growth in Switzerland has continued to accelerate. Since mid-year, a number of companies have experienced a significant upturn in business; as in the previous quarter, this has been especially noticeable in manufacturing.

Company representatives report robust quarter-on-quarter growth in real turnover, i.e. turnover adjusted for changes in sale prices (cf. chart 1; for guidance on interpreting the charts, see the relevant section at the end of this report). A comparison with the corresponding quarter a year ago is even more striking. All three sectors – services, manufacturing and construction – are contributing equally to this favourable overall picture.

Export industries are experiencing continued positive or even improved momentum in business, with companies supplying goods to the automotive, medical products and telecom sectors recording particularly good results. Sales to Europe are doing well across a wide geographical area and company representatives also mention the US and Asia as drivers of current developments. Signals from Russia, on the other hand, are mixed.

In addition to the success of the export sector, domestic turnover is also trending better than in previous quarters.

Utilisation of production capacity normal

Utilisation of technical production capacity has now almost normalised. The gradual improvement in utilisation began in the second half of 2016 (cf. chart 2).

Half of the companies interviewed rate their technical capacity utilisation as normal. Of the remaining 50%, around half report underutilisation and half overutilisation. Certain firms have added more shifts to meet higher demand. In some cases, staff are working more overtime or at weekends.

Staff numbers appropriate

At present, staff numbers are judged to be in line with needs in all three sectors, although in isolated cases there are indications that they are a little too low. By contrast, during 2016, staff numbers were still considered somewhat too high.

Recruitment problems have increased during the quarter under review, particularly in the services sector. Apart from the improvement in the domestic labour market, there have been fewer job applications from Germany, Austria and Italy, where the economic situation has picked up.

Margins normalise

Margins continue to follow a trajectory of normalisation that began in early 2016. Key factors in this development are rising turnover volumes as well as, more recently, the potential for price increases. While, overall, profit margins remain slightly below what company representatives regard as usual, their general assessment is on a par with their assessment before the discontinuation of the minimum exchange rate against the euro. However, margins continue to vary widely within the sectors and between companies.

Chart 1

TURNOVER COMPARED TO PREVIOUS QUARTER



Developments in real turnover compared to the previous quarter. Positive (negative) index values signal an increase (decrease).

Source: SNB

Chart 2

CAPACITY UTILISATION



Current utilisation of technical capacity or infrastructure compared to a normal level. A positive (negative) index value signals a higher (lower) utilisation than normal.

DEVELOPMENTS IN INDIVIDUAL INDUSTRIES

In wholesale trade, real turnover is quite significantly up, both quarter-on-quarter and also with respect to the year-back quarter. This development is less pronounced in retail trade, which continues to be affected by structural changes such as the shift to e-commerce. Conventional retailing therefore faces a challenging operating environment with considerable pressure on margins. Notwithstanding this, price erosion appears to have come to a halt in the quarter under review.

Once again, the finance sector has made a positive showing with contributions from commission, trading and interest business. Utilisation of bank infrastructure (office and sales space as well as IT capacity) has improved, although margins remain below what is considered normal.

In the hospitality industry, business has mostly been good since summer. Various regions have recorded an increase in tourism, particularly from Asia but also from the US. Switzerland's reputation as a safe destination has been a decisive factor in driving demand. Margins are within the normal range due to cost-cutting – as well as price increases in some areas.

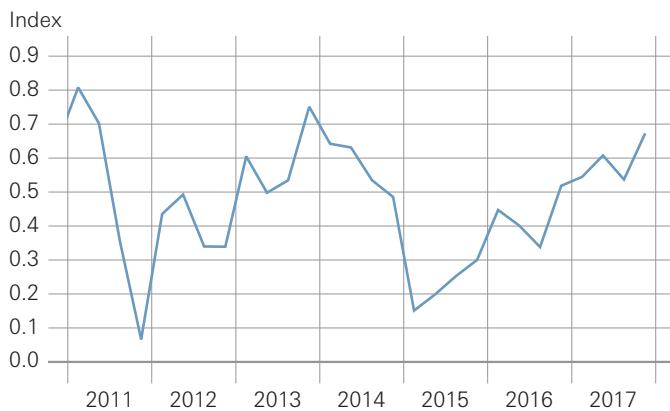
The vast majority of transportation and logistics companies are showing sound business results.

The business situation remains favourable for the ICT industry, with turnover substantially up quarter-on-quarter and with respect to the year-back quarter. Business drivers include digitalisation, automation and regulation, although margin pressure is still on the high side.

In manufacturing, almost all industries report higher turnover than in the previous quarter. Overall, utilisation is still slightly below normal levels. A noticeable improvement in the watchmaking industry and its supplier companies is evident, although margin pressures continue. Companies in printing and packaging as well as in mechanical engineering are recording tighter-than-usual margins.

In construction, business performance has retained its momentum in both the building industry and ancillary trades, with residential construction as the main driver. However, margins are under severe pressure due to intense predatory competition. In structural engineering, the low barriers to market entry are often cited as the reason for this intense competition.

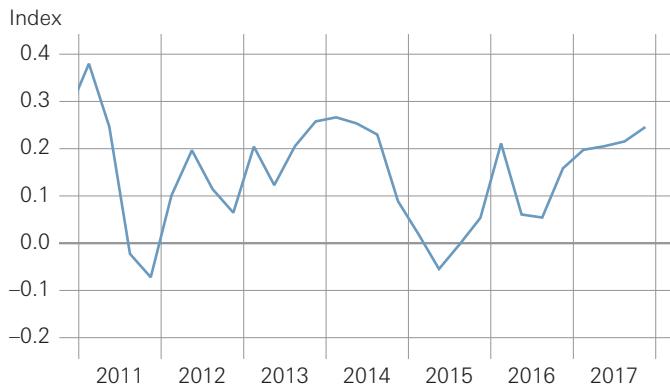
Chart 3

EXPECTED TURNOVER

Expected developments in real turnover in the coming six months. Positive (negative) index values indicate higher (lower) turnover expectations.

Source: SNB

Chart 4

EXPECTED CAPACITY UTILISATION

Expected developments in utilisation of technical capacity or infrastructure in the coming six months. Positive (negative) index values indicate higher (lower) utilisation expectations.

Source: SNB

Chart 5

EXPECTED EMPLOYMENT

Expected developments in staff numbers in the coming six months. Positive (negative) index values indicate higher (lower) expectations.

Source: SNB

OUTLOOK**Broad-based confidence**

The company representatives interviewed by the SNB are distinctly optimistic about their business prospects for the coming six months. Overall, a further increase in real turnover is expected (cf. chart 3), attributable to services and to manufacturing. Factors responsible for this assessment include the favourable international economic situation, improved exchange rate conditions (namely the stronger euro), and the clear impact of efficiency drives. Orders are looking extremely positive for many companies in 2018.

The confidence of company representatives is also reflected in slightly higher expected utilisation of technical capacity and/or infrastructure in the next six months (cf. chart 4). Moreover, their willingness to invest – both in equipment and in buildings – is greater than last year. Almost a third of the companies investing in equipment are simultaneously expanding their production capacity.

In the coming six months, the company representatives expect both purchase and sales prices to move upwards – in the latter case, for the first time since 2011. Many of them attribute this to higher raw material prices and the weaker Swiss franc; they also note that it is easier to push through sales price increases than it has been in the past.

Moderate staff increases planned

The prospect of higher capacity utilisation as well as the slight shortage of personnel indicated in some cases are also affecting companies' recruitment plans, with company representatives planning moderate increases in staff numbers (cf. chart 5). This is particularly true of the services sector. In order to counter staff shortages, some temporary hires are being contracted on a permanent basis. In certain industries such as printing, companies will reduce staff numbers for structural reasons.

Rising wages

Based on the information obtained in the talks, already planned salary increases for 2018 come to an average of 1.1% and a number of companies intend to grant a general bonus for the first time in many years.

ENVIRONMENT AND RISKS

Companies rate uncertainty in their operating environment as relatively low. Potential risks mentioned include geopolitical risk, protectionist trends and a certain fragility in the global economic recovery. Risk perception with regard to Europe has eased, although a number of company representatives point to unsolved structural problems. The consequences of Brexit remain difficult to assess.

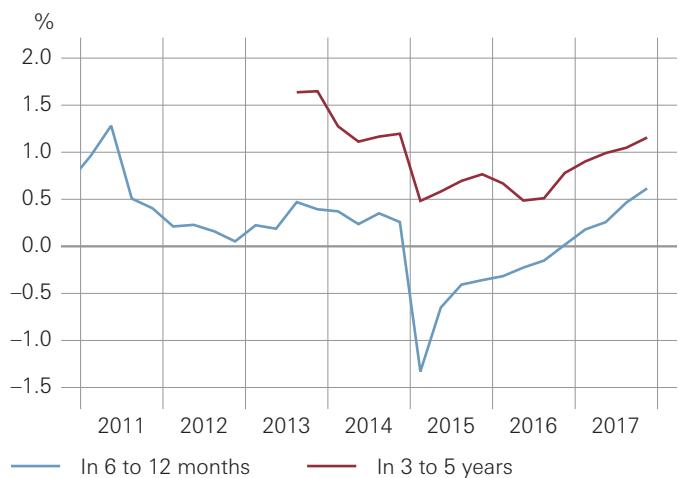
Many company representatives find the complex domestic regulatory environment to be very burdensome. Other risks highlighted include the increasing lack of specialised staff and a renewed appreciation of the Swiss franc. In a large number of industries, company representatives mention digitalisation, which is seen as both a risk and an opportunity. Some company representatives, particularly in the finance industry, draw attention to threats associated with cybercrime.

Some company representatives see persistently low interest rates as a problem for pension funds. They express increasing unease about the impact on the real estate market, where institutional investors are embarking on large investment projects despite the increase in vacant housing units. More and more company representatives are sceptical about stock exchange developments.

Although most company representatives describe the weakening of the Swiss franc against the euro since the summer as ‘helpful’, they remain cautious, noting that the development will have to be lasting to have a meaningful impact.

Chart 6

EXPECTED INFLATION



Source: SNB

INFLATION EXPECTATIONS

As part of the exchange of views, the delegates regularly ask company representatives about their short and long-term inflation expectations (in terms of the consumer price index) as consumers.

In the fourth quarter of 2017, the upward trend in short and long-term inflation expectations, which had begun during 2015, continued. Expectations for the next six to twelve months now average 0.6%, compared to 0.5% in the previous quarter (blue line in chart 6). Mid-term inflation expectations (time horizon of 3–5 years) are 1.2%, compared to 1.0% in the previous quarter (red line in the chart).

About this report

Approach

Each quarter, the SNB's delegates for regional economic relations hold talks with managers of companies throughout Switzerland. The main results of these discussions are summarised in the ‘Business cycle signals’ report.

Approximately 240 companies are visited every quarter. The selection of companies reflects the industrial structure of the Swiss economy based on GDP and employment. Industries subject to stronger cyclical fluctuations are somewhat over-represented, while the public sector and agriculture are not taken into consideration. Different companies are visited from one quarter to the next.

In the talks, the SNB's delegates capture primarily qualitative information. The discussions are nevertheless structured in such a way as to allow the delegates to grade a part of the received qualitative information according to a numeric scale. This enables the results to be aggregated and represented graphically.

The five-tier scale ranges from ‘substantially higher’ or ‘much too high’ (+2), ‘slightly higher’ or ‘somewhat high’ (+1), ‘the same’ or ‘normal’ (0), ‘slightly lower’ or ‘somewhat low’ (-1), to ‘substantially lower’ or ‘much too low’ (-2).

Interpreting the charts

The charts are to be regarded as a numeric summary of the qualitative information received. The index value shown represents the average of the findings from all companies visited. When interpreting the curves, particular relevance should be attached to their overall development, rather than to their numeric level or individual changes.

Additional information

Further information on the ‘Business cycle signals’ report is available at www.snb.ch, *The SNB, SNB regional network*.

Acknowledgements

The SNB would like to thank the representatives from around 900 companies that have consented to take part in interviews with the delegates for regional economic relations during the course of 2017. In doing so, they have made a significant contribution to the evaluation of economic developments. The companies listed below have agreed that their names may be published:

A

A. Boss & Co AG. Aare Energie AG. Aargauische Kantonalbank. ABB Schweiz AG. AbbVie AG. Abicht Gruppe AG. Accenture AG. Accuro. Acino. Adam Touring GmbH. adesso Schweiz AG. Aduno Holding AG. Aebi & Vincent Architekten SIA AG. AEK onyx Gruppe. Aerne Engineering AG. Aerni Gruppe. Aeschlimann AG, Décolletages. AEW Energie AG. AF-Consult Switzerland AG. Agility Logistics AG. AGZ Ziegeleien AG. AHG-Holding AG. Albinati Aeronautics SA. Albiro AG. Aligro-Demaurex & Cie SA. Alpex Pharma SA. Alpha Solutions AG. Alpinamed AG. amag. Amalthea Holding AG. Ameropa AG. AMI Immobiliare SA. Amici Caffè AG. Ammann Schweiz AG. amPuls Marktforschung AG. André Repond SA. Andrey Transports SA. Andritz Hydro AG. Anton Häfliger AG. Aptar Mezzovico SA. Arcolor AG. Aregger AG Bauunternehmung. Argor-Heraeus SA. Argus der Presse AG. Aricon-Küng Treuhand AG. Ascensia Diabetes Care Holding. Assos of Switzerland GmbH. Atos Consulting SA. Audemars Holding SA. Autogrill Schweiz AG. Autoneum Holding AG. AVS Systeme AG.

B

Bachem Holding AG. Bachofen AG. Bad Schinznach AG. Bad Seedamm AG. Balance Hotels. Baloise Bank SoBa AG. Baltensperger AG Hochbau Tiefbau Holzbau. Banca del Ceresio SA. Banca del Sempione. Banco Santander (Suisse) SA. Bandi SA. Bank CIC (Schweiz) AG. Bank Cler. Banque Bonhôte & Cie SA. Banque Cantonale de Fribourg. Banque Cantonale du Jura. Banque Cantonale du Valais. Banque Cantonale Neuchâtel. Banque Cantonale Vaudoise. Banque Lombard Odier & Cie SA. Bär & Karrer AG. Barclays Bank (Suisse) SA. Basilea Pharmaceutica AG. Basler & Hofmann AG. Basler Kantonalbank. Basler Zeitung. Baugeschäft Bärlocher AG. Bauknecht AG. Baumann Federn AG. Bauwerk Parkett AG. Bayer. BDO AG. Beckman Coulter Eurocenter SA. Belloli SA. Belotti Ottica & Uditto. Belvédère Hotels Scuol. Belwag AG Bern. Benteler Rothrist AG. Bergbahnen Beckenried-Emmetten AG. Berndorf Luzern AG. Berney Associés SA. Bertschi AG. Bettermann AG. Bewetec AG. Bezzola Denoth AG. BG Ingénieurs Conseils SA. Bianchi & Co SA. Bibus AG. BiCA AG. Biotronik AG. Bioplast AG. Bischofszell Nahrungsmittel AG. Bison IT Services AG. Blanc & Cie SA. Blau-Weiss Autohandels AG. BLS AG. BMC Switzerland AG. BMW (Schweiz) AG. Bobst Group SA. Bohren Möbel AG. Boller Winkler AG/Schloss-

berg. Bosch Packaging Systems AG. Bosch Rexroth Schweiz AG. Boschung Holding SA. Bossard AG. Bossi e Bersani SA. Boulangerie Michelod SA. Boulangerie-Pâtisserie Wolfisberg SA. Boutique Hotel Villa Orselina. Brac Werke AG. brack.ch. Brandis Finanz Holding AG. Brauhaus Sternen AG. Brevan Howard Investment. Brolliet SA. Bruker BioSpin AG. BSB + Partner Ingenieure und Planer AG. Bucher Travel Inc. Bunge SA. Burckhardt of Switzerland AG. Bureau d'ingénieurs civils Daniel Willi SA. Burger Söhne AG.

C

Café de Grancy Sàrl, Soulfood SA. Tricycle SA. Cafina AG. Caisse d'Epargne CEC SA. Calendaria AG. Camillo Vismara SA. Candrian Catering AG. Canoo Engineering AG. Capital Group. Caprez Ingenieure AG. Carlo Bernasconi AG. Carrosserie A. Wenger & Cie. Casinò Admiral SA. Casino du Lac Meyrin SA. Casinò Lugano SA. Casino Neuchâtel SA. Casram SA. Castello del Sole Ascona. Caterpillar Sàrl. CCHE Architecture et Design SA. Cebi Micromotors Switzerland SA. Cendres & Métaux SA. Censi & Ferrari SA. Chalet de Gruyères SA. Chaletbau Matti Holding AG. Chaussures Aeschbach SA. Chiquita Brands International Sàrl. Chocolats Camille Bloch SA. Christian Cavegn AG. Cilag AG. Ciolina AG. Cipag SA. Clinica Ars Medica. Coloral SA. Comet AG. Commerzbank Schweiz. Compass Group (Schweiz) AG. Confiserie Sprüngli AG. Congress Centre Kursaal Interlaken AG. Consitex SA. Contrinex SA. Coop. Cornè Banca SA. Cornu & Cie SA. Coutaz SA. Creabeton Matériaux SA. Création Baumann AG. Credit Suisse AG. Cremo SA. Crevoisier SA. Cross Systems SA. CSC Impresa di costruzione SA. CSD Ingénieurs. CTC Analytics AG.

D

Daniel Jenny & Co. Darest Informatic SA. Datamars SA. De Capitani Baugeschäft AG. De Martin AG Surface Technology. Debiopharm Group. Debrunner Acifer AG St. Gallen. DeLaval AG. Dell EMC. Delta Möbel AG. Deltacarb SA. Desinfecta AG. Detech SA. Deutsche Bank (Suisse) SA. DGS Druckguss Systeme AG. DHL Logistics (Schweiz) AG. Die Mobiliar. Dietiker AG. Dietsche MontageProfis Holding AG. DIWISA Distillerie Willisau AG. dmb SA. Dorier SA. dormakaba Gruppe. Dreieck-Transfer Transport und Logistik AG. DSM Nutritional Products Ltd. Duferco SA. Dumont & Dupraz SA. Dupasquier & Cie SA. Dupin 1820. Dyconex AG.

E

E. Kalt AG, Klima- und Energietechnik. E.M.S. Electro Medical Systems SA. EAO Group. Ebauches Micromécanique Precitrame SA. Eberhard Unternehmungen. ebi-pharm ag. EBL. Ecofin Holding AG. Edilcentro Wullschleger SA. EKT Holding AG. Elbau Küchen AG. Elektro Compagnoni AG. Element AG. Elesta GmbH. ElringKlinger Abschirmtechnik (Schweiz) AG. Emanuele Centonze Holding SA. Emch AG Bauunternehmung. Emch + Berger AG Bern. Emil Frey AG. Emile Egger & Cie SA. emmental versicherung. Emmi AG. EnAlpin AG. Energie Wasser Bern. Energie Zürichsee Linth AG. énergies sion région. Engelberger Druck AG. Entrecôte Fédérale & Brasserie Obstberg. Entreprise Belloni SA. Enz Technik AG. Erbas SA. Erbicoll SA. ERI Bancaire SA. Ernst & Young AG. Ernst Frey AG. Esco SA. Essemtec AG. EuroAirport Basel, Mulhouse, Freiburg. Evatec AG. Eventmore SA. Expersoft Systems AG. Extramet AG.

F

F. Hoffmann-La Roche AG. F. Murpf AG. F. Piemontesi SA. Fanscella SA. Fattorini Autotrasporti Sagl. Faude & Huguenin SA. Faulhaber Precistep SA. FC Basel 1893 AG. Feintool Technologie AG. Felco SA. Feldschlösschen Getränke AG. Felix Transport AG. Feller AG. fenaco Genossenschaft. Ferring Pharmaceuticals. Fert & Cie Voyages SA. FG Groupe SA. Fidinam Group Holding SA. Fiduciaire Fidag SA. Finnova AG. Firmenich SA. Fisch Asset Management AG. Fischer Connectors. Fischer Reinach AG. Fischer Spindle Group AG. Föllmi AG Bauunternehmung. Fondation Beyeler. Fraisa SA. Franzosini SA. Fratelli Roda SA. Freestar-Informatik AG. Fresenius Medical Care (Schweiz) AG. Fressnapf Schweiz AG. Frieden SA. Fritz Schiess AG. Fritz Studer AG. futura Ristoranti. FZSoNick SA.

G

GAM Holding AG. Garaio AG. Garaventa AG. Garbani AG. Garzoni SA. Gasser Ceramic AG. GE Consumer & Industrial SA. Geberit AG. Gebrüder Renggli AG. Gebrüder Weiss AG. General Electric (Switzerland) GmbH. General Transport AG. Generali (Schweiz) Holding. Geneva Logistics Group SA. Geo Edil SA. Geoinfo Gruppe. Georg Haag AG. Georg Utz Holding AG. Georges Constantin SA. Gericke AG. Gerofinance-Dunand SA – Régie de la Couronne. Gfeller + Partner AG. GGZ Gartenbau Genossenschaft

Zürich. Ghelma AG. Giesserei Hegi AG. Gilli Garten AG. Gimmel Rouages SA. Gindraux Fenêtres SA. Ginsana SA. Giovanelli Fructimport AG. Givaudan SA. Glaeser Wogg AG. Glarner Kantonalbank. Globetrotter Travel Service AG. Globus Travel Services SA. Glutz AG. Goldbach Group AG. Google Switzerland GmbH. Gotthard Raststätte A2 Uri AG. GPA Guardian Protection SA. Grand Casino St. Gallen AG. Grand Hôtel Suisse Majestic. Grand Resort Bad Ragaz AG. Grange SA. Granol AG. Graubündner Kantonalbank. Gravag Erdgas AG. Gregor Furrer & Partner Holding AG. Group TrackNet. Groupe Ardentis. Groupe E Connect SA. Groupe JPF. Groupe Lathion. Groupe Mutual. Groupe Orlati. Groupe Rhône Média. Groupe Sidin Hôtels. Groupe VO Energies. Grund AG Fahrzeuge. Grundfos Pumpen AG. Grünenfelder SA. Grünenwald AG. Gstaad Saanenland Tourismus. GTK Timek Group SA. Gustav Spiess AG. Gysi AG. Gysi AG Chocolatier Suisse.

H

H + Gastro AG. H. Goessler AG. H. Wellauer AG. Haag-Streit Holding AG. Haecky Gruppe. Haeusler AG. Hans Christen AG. Hans Leutenegger SA. Häring & Co. AG. Haufe-umantis AG. Heiniger AG. Heinrich Kübler AG. Helvetia Versicherungen. Henri Harsch HH SA. Herzog Küchen AG. Herzog-Elmiger AG. Hevron SA. HID Global Switzerland SA. Hidrostal AG. Hirsch (Schweiz) AG. Hirslanden AG. Historika AG. Hodel & Partner AG. Holdigaz SA. Honex AG. Hostettler AG. Hotel Bad Horn AG. Hotel Belvoir Rüschlikon AG. Hotel Cascada AG. Hotel Castell. Hôtel de la Cigogne SA. Hôtel de la Paix. Hotel des Balances. Hotel Eden Roc. Hotel Eiger Mürren. Hotel Internazionale Bellinzona. Hotel Krone, Aarburg. Hôtel La Réserve Genève. Hotel Lenkerhof AG. Hotel Lido Seegarten. Hôtel Longemalle SA. Hotel Lugano Dante Center SA. Hôtel Président Wilson. Hotel Schweizerhof Grindelwald AG. Hotel Wartmann. Hotelplan Suisse MTCH SA. HP Schweiz GmbH. Huber & Co. AG. Huber Fenster AG. Hug AG. Hugelshofer Holding AG. Hugo Boss Ticino SA. Hunkeler AG Paper Processing. Hupac Intermodal SA. HYDRO Exploitation SA. Hydroplant AG. Hypothekarbank Lenzburg.

I

IBSA Institut Biochimique SA. IFEC Ingegneria SA. Iftest AG. Ilapak International SA. IM Maggia Engineering SA. IMTF. Induserv AG. Ineichen AG. Infomaniak Network SA. Intensiv SA. InterCheese AG.

Intersport Schweiz AG. Investas AG. Iseppi Frutta SA.
ISS Schweiz AG. Itten + Brechbühl AG.

J

J3C Holding SA. Jakob Müller Holding AG. Janico Holding AG. Jansen AG. Japan Tobacco International SA. Jaquet Technology Group. Jean Singer et Cie SA. Jehle AG. Jenny Science AG. Jermann Ingenieure und Geometer AG. JESA SA. Jetpharma SA. JL Services SA. Johnson & Johnson. Josef Gut AG. Joseph Baume SA. JP Morgan (Suisse) SA. Juggers Sécurité SA.

K

K+D Gruppe. Kabelwerke Brugg AG Holding. Kablan AG. Kalkfabrik Netstal AG. Karger Publishers. Kasag Swiss AG. Kebo AG. Kestenholz Automobil AG. Keystone AG. Kindlimann AG. Knecht Brugg Holding AG. Koch AG. Konapharma AG. Kromer AG. KUK Electronic AG. Kunststoff-Packungen AG. Kuny AG. Kuoni Viaggi. KurierZentrale GmbH.

L

La goccia SA. La Rapida SA. La Semeuse SA-Choco-Diffusion SA. Lamprecht Transport AG. Landis Bau AG. Landqart AG. Landquart Fashion Outlet. Lang Energie AG. Larag AG. Laube SA. Laubscher Präzision AG. Lauener et Cie SA. Lausanne Palace & SPA. LB (Swiss) Investment AG. Le Coultre SA. Leicom AG. Leister AG. Lekkerland (Schweiz) AG. Lenovo (Schweiz). Lenzerheide Bergbahnen AG. Leoni Studer AG. Lerch AG Bauunternehmung. Les Toises – Centre de psychiatrie et psychothérapie. Liaudet Pial SA. Liebherr Machines Bulle SA. Lifeware SA. Liip AG. Linnea SA. LK International AG. Loacker Swiss Recycling AG. Loeb Holding AG. Logitech. Lombardi SA Ingegneri Consulenti. Lonza AG. Loomis Schweiz AG. L'Oréal Suisse SA. LumX Asset Management (Suisse) SA. Luzerner Kantonalbank. LV-St. Gallen. M. Opitz & Co AG.

M

Mad Productions SA. Maerki Baumann & Co AG. Mägerle AG Maschinenfabrik. Magtrol SA. Maison V. Guimet Fils. MAN Diesel & Turbo Schweiz AG. Manor. Manpower SA. Manufactures d'outils Dumont SA. Maréchaux Holding AG. Marmobisa AG. Marquis AG. Mars Schweiz AG. Marti Bauunternehmung AG. Marvinpac SA. Mathys AG Bettlach. maxon motor AG. MB Barter & Trading SA. McDonald's Restaurants Sven Matthisson. Medacta International SA. Medipack AG. Meggitt SA. Mercedes Benz Automobil AG. Mercier SA. Mercuria Energy Trading SA. Metalem SA. Metallux SA. Metaltex SA. Metrohm AG. Metron AG. Meubles Descartes SA. Mibelle Group. Michelin Suisse SA. Micro-Sphere SA. Migros. Mikron SA. Mikron Tool SA Agno. mikrop ag. Mister Minit. MIT-Group. Möbel Pfister AG. mobilezone. Mobimo Holding AG. Mode Weber. Mondaine Watch Ltd. Monnat.ch SA. Montremo SA. Montres Corum Sàrl. Moser Schaffhausen AG. Mosterei Möhl AG. Motomix SA. MPM Facility

Services SA. Mubea Fabbrica Molle SA. Mubea Präzisionsstahlrohr AG. Mueller AG. Müller Beck AG. Müller Handels AG Schweiz.

N

Nant de Drance SA. Natur- und Tierpark Goldau. Nestlé Suisse SA. Netcetera. Netstal-Maschinen AG. Nexthink. NGL Cleaning Technology. NH Akustik + Design AG. Nidwaldner Kantonalbank. Niederer Kraft & Frey AG. Nikon Schweiz. Noël Ruffieux & Fils SA. Norba SA. Notenstein La Roche Privatbank AG. Nova Werke AG. Novartis. Novo Business Consultants AG. Noyfil SA. NZZ Mediengruppe.

O

O. Küttel AG. Obrist Bauunternehmung AG. Obwaldner Kantonalbank. OLZ & Partners. Omida AG. Omya. Onet (Suisse) SA. Opernhaus Zürich AG. Ortho-Team AG. Oryx Energies. Otis SA. Otto Fischer. Otto Keller AG.

P

Paci SA. Page et Fils SA. Pallas Kliniken AG. Pamasol Willi Mäder AG. Panalpina AG. Panetarium AG. PanGas AG. Parkresort Rheinfelden Holding AG. Parmigiani Fleurier SA. Pastifil SA. Paul Büetiger AG. Pax PaxVax Berna GmbH. PB Swiss Tools GmbH. pemsa. Perosa AG. Pestalozzi Gruppe. Pfefferlé & Cie SA. Pfisterer Sefag AG. Pharmacie Populaire société coopérative. Piaget SA. Pibomulti SA. Emissa. Pietro Calderari SA. Piguet Galland & Cie SA. Pilatus-Bahnen AG. Pini Swiss Engineers SA. PKB Privabank AG. PKZ Burger-Kehl & Co AG. Planzer Transport AG. Plastigum AG. Plumettaz SA. Pneu Egger AG. point vert Groupe SA. Poretti-Gaggini SA. PPG Industries Europe Sàrl. Precicast SA. Premec SA. PricewaterhouseCoopers AG. Privatbank IHAG. Proderma AG. Promena AG. Pronto AG. Prosegur SA. Provins.

Q

Quickline Holding AG.

R

R. Nussbaum AG. Raboud Group. Radisson Blu. Raiffeisen. Rapelli SA. RATP Dev Suisse SA. Regazzi Holding SA. Regena AG. Régence Production SA. Regine Switzerland SA. Regionalverkehr Bern-Solothurn AG. Rego-Fix AG. Rechle & De-Massari AG. Reiden Technik AG. Reka Schweizer Reisekasse. Rekag AG. Remaco Holding AG. Remimag Gastronomie AG. Renault Suisse SA. Retraites Populaires. Rezidor Hotel Group Schweiz. Rhätische Bahn AG. Rhenus Alpina AG. Richard Mille. Riedo clima AG. Rieter Holding AG. Ringele AG. Ristoranti Fred Feldpausch SA. Rittmeyer AG. RLC Architekten AG. RobecoSAM AG. Roduit SA. Roland Berger AG. Romag aquacare AG. Ronda AG. Roth Gerüste AG. Rotho Kunststoff AG. Rotzinger AG. Ruch Metallbau AG. Ruckstuhlgaragen Zürich. RWB Groupe SA. Rychiger AG.

S

SA di Gestione Shopping Center Morbio Inferiore. Sabag Holding AG. Sägerei Trachsel AG. Sajet SA. Samvaz SA. Sandro Vanini SA. Sanitas Troesch AG. St. Gallen. Santex Rimar AG. säntis packaging ag. SAP (Schweiz) AG. Saviva AG. Savoy SA. Schaeppi Grundstücke Verwaltungen KG. Schibli Holding AG. Schiffahrtsgesellschaft des Vierwaldstättersees AG. Schilliger Holz AG. Schindler Aufzüge AG. Schindler Elettronica SA. Schlagenhauf Gruppe. Schleuniger AG. Schoeller Textil AG. Schöpfer Gastronomie AG. Schöttli AG. Schulthess Maschinen AG. Schweizer Electronic AG. Schwendimann AG. Abfallentsorgung + Transporte. Schwob AG. Schwyzer Kantonalbank. Scott Sports SA. Scout24 Schweiz AG. Sécheron SA. Seehotel Hermitage Luzern. Seehotel Waldstätterhof AG. Sefar Holding AG. Seiler Hotels Zermatt AG. Selmoni Gruppe. Serbeco SA. Serfre' SA. Seven Group. SFS Group AG. Shell (Switzerland) AG. Sheraton Zürich Hotel. sia Abrasives Industries AG. Sicas SA. Silhouette Wellness SA. Sisag AG. Sistag AG. Sitzplatz Schweiz AG. Skynight SA. SkyWork Airlines AG. Smart Gorla Services SA. SNP Société Neuchâteloise de Presse SA. Socar Trading SA. Société du Casino de Crans-Montana SA. Société électrique intercommunale de la Côte. Société Privée de Gérance SA. Solo Swiss SA. Solvias AG. Sonceboz SA. Sonova Holding AG. Soprod SA. Sotax AG. Spar- und Leihkasse Frutigen AG. sparkasse schwyz ag. Splash & Spa Tamara SA. Spühł GmbH. Square Danses SA. SRS Swiss Recycling Services SA. St. Galler Kantonalbank. Stade de Suisse Wankdorf Nationalstadion AG. Stahl Gerlafingen AG. Stahlton Bauteile AG. Stettler Holding SA. Stirnimann AG, Baumaschinen. STMicroelectronics SA. Stöckli Metall AG. Stöcklin Logistik AG. Stoppani AG. Straumann Group. Straumann-Hipp AG. Studio d'ingegneria Visani Rusconi Telleri SA. Studio Ingegneria Sciarini SA. Stutz Holding AG. Sucafina SA. Suisselearn Media AG. Sunrise Communications AG. Sushizen SA. Suter Viandes SA & Boucherie du Palais. Suteria Chocolata AG. Sutter Ingenieur- und Planungsbüro AG. SV (Schweiz) AG. Swagelok AG. Swan Analytische Instrumente AG. Swatch Group SA. Swiss Capital Alternative Investments AG. Swiss Helicopter Group AG. Swiss Life Schweiz. Swiss Risk & Care. Swisscom AG. Swissgrid AG. Swisslog Holding AG. swisstulle AG. Switel SA. Syngenta AG.

T

T.E.A.M. Television Event And Media Marketing AG. T+R AG. TAG Aviation SA. TAG Heuer. Taiana SA. Talan SA. talsee AG. Talus Informatik AG. TE Connectivity Solutions GmbH. Teca-Print AG. Tech Insta SA. Techniques-Laser SA. Tefag Elektronik AG. Tekka Digital SA. Teleclub AG. Télé-Restaurant SA. TEM AG. Tenconi SA. TESA SA. Texaid Textilverwertungs-AG. Thales Suisse SA. Thommen Gastronomie AG. Thommen Gruppe. tibits ag. Titoni AG. TNT Swiss Post AG. Tomy Transporte GmbH. Tool-Temp AG. Tornos SA. Totsa Total Oil Trading SA. Trafag AG. Trafigura Holding GmbH. Trauffer AG. Travys SA. Treier AG. Treuhand- und

Revisionsgesellschaft Mattig-Suter und Partner. Trisa AG. Trümpi AG. Trunz Holding AG. Truvag Treuhand AG. Tschümperlin & Co AG. Tuchschen AG. TUI Suisse. Tyco Integrated Fire & Security (Schweiz) AG.

U

UBS AG. UCB Farchim SA. Ulrich Imboden AG. Ulysse Nardin SA. Unione Farmaceutica Distribuzione SA. Unisto AG. Unitechnologies AG. Urner Kantonalbank. Usines Métallurgiques de Vallorbe SA. Uster Technologies AG.

V

Vacheron Constantin SA. Valcambi SA. Vale International SA. Valora Holding AG. Variosystems AG. Vaudoise Assurances Holding SA. VBG Verkehrsbetriebe Glattal AG. Verlag Finanz und Wirtschaft AG. Veronelli SA. Veuthey & Cie SA. VF International Sagl. VICI AG International. Vignal CEA SA. Visilab SA. Vogt AG Lostorf. Vogt-Schild Druck AG. Voigt AG. Volkshaus Basel. Volvo Car Switzerland AG. von Bergen SA. Vonplon Strassenbau AG. VonRoll casting AG. VP Bank (Schweiz) AG.

W

W. Gassmann AG. Wagner AG. Walo Bertschinger. Wander AG. weba Weberei Appenzell AG. Weber AG Stahl- und Handwerkerzentrum. Weinmann-Energies SA. Wild & Küpper AG. Wirz AG Bauunternehmung. Wirz Gruppe. WMC IT Solutions AG. WR Weberei Russikon AG. WWZ AG.

Y

Y & R Group Switzerland AG.

Z

Zambon Svizzera SA. Ziegelei Schumacher AG. Züger Frischkäse AG. Zuger Kantonalbank. Zühlke. Zünd Systemtechnik AG. Zürcher Kantonalbank. Zürcher Kunstgesellschaft. Zürcher Landbank AG. Zürcher Oberland Medien AG. Zurich Suisse. Zweifel Pomy-Chips AG.

1

1875 Finance SA.

II

II-VI Laser Enterprise GmbH.

Published by

Swiss National Bank
Economic Affairs
Börsenstrasse 15
P.O. Box
CH-8022 Zurich

Design

Interbrand Ltd, Zurich

Typeset and printed by

Neidhart + Schön Group AG, Zurich

Language versions:

The *Quarterly Bulletin* is available in printed form in German (ISSN 1423-3789), French (ISSN 1423-3797) and Italian (ISSN 2504-3544).

The *Quarterly Bulletin* can also be downloaded from the SNB website in the following language versions:

English: www.snb.ch, *Publications, Economic publications, Quarterly Bulletin* (ISSN 1662-257X)
German: www.snb.ch, *Publikationen, Ökonomische Publikationen, Quartalsheft* (ISSN 1662-2588)
French: www.snb.ch, *Publications, Publications économiques, Bulletin trimestriel* (ISSN 1662-2596)
Italian: www.snb.ch, *Pubblicazioni, Pubblicazioni economiche, Bollettino trimestrale* (ISSN 2504-480X)

Website

www.snb.ch

Copyright ©

The Swiss National Bank (SNB) respects all third-party rights, in particular rights relating to works protected by copyright (information or data, wordings and depictions, to the extent that these are of an individual character).

SNB publications containing a reference to a copyright (© Swiss National Bank/SNB, Zurich/year, or similar) may, under copyright law, only be used (reproduced, used via the internet, etc.) for non-commercial purposes and provided that the source is mentioned. Their use for commercial purposes is only permitted with the prior express consent of the SNB.

General information and data published without reference to a copyright may be used without mentioning the source.

To the extent that the information and data clearly derive from outside sources, the users of such information and data are obliged to respect any existing copyrights and to obtain the right of use from the relevant outside source themselves.

Limitation of liability

The SNB accepts no responsibility for any information it provides. Under no circumstances will it accept any liability for losses or damage which may result from the use of such information. This limitation of liability applies, in particular, to the topicality, accuracy, validity and availability of the information.

© Swiss National Bank, Zurich/Berne 2017