



Dear ICOSPA Member,

It was great to welcome ICOSPA Delegates, guests and their members to my home city of Birmingham in the United Kingdom for the 20th ICOSPA Congress returning to the UK for the first time in 18 years, with the emphasis firmly on 'New Tech, New Skills and New Challenges.'

We had three busy days with factory visits, the Congress itself followed by the dinner in the evening. On the final day we held the Presidents review meeting.

The factory visits to Gestamp cutting edge factory in Four Ashes, Wolverhampton and Brandauer in Birmingham highlighted UK manufacturing at its finest, from both a large company and an SME, both world class in their respective sectors.

The Congress itself, presented excellent keynote addresses from Francisco J. Riberas (Executive Chairman of Gestamp), Ian Harnett (Chairman of Tevva Electrical Trucks), Antonio Costa, (CEO of Congress Diamond Sponsor Kaizen Institute) and Gianfranco Ruggiero, (Senior Product Manager of Congress Gold Sponsor Autoform Group). Insights were also delivered by Dan Hurd (EY-Parthenon) on global supply chain issues for the future and from Jianguo Lin (Imperial College London) on vehicle light-weighting.

These were all extremely well received by our packed audience and all the feedback we received was fantastic on the visits, congress and the dinner. We would like to thank all our Sponsors for their support and all the attendees, especially those who travelled from abroad. A special mention to the CBM team for a job well done.

The Presidents review meeting certainly highlighted the global challenges that each country member was facing, the sharing of problems from each country really was the essence of what ICOSPA is all about. The overriding factor was that all countries weren't alone with their respective problems and whilst not a solution, it certainly gave us some encouragement that through communication it could help us all.

The Presidency of ICOSPA will be passed to the Japan Metal Stamping Association with many of the global economic issues still in play we look forward to reviewing each countries progress at our next meeting.



Steve Morley
ICOSPA President

Steve Morley
ICOSPA Presidents

ICOSPA EVENTS

ICOSPA Council Meeting - 15th July 2023 Tokyo, Japan

INTERNATIONAL EVENTS

Japan Metal stamping Technology Exhibition
Tokyo - April 12-15 2023
Aichi - 21- 23 June 2023

Euroblech 25-28 October 2023 in Hanover

Global metalforming event was a great success on its return to Birmingham after eighteen years away

The CBM were proud to be the hosts of this Congress, where more than 120 of the world's leading sheet metal pressworkers attended in Birmingham in October as part of a major global manufacturing event.



The 20th ICOSPA (International Council of Sheet Metal Presswork Associations) Congress returned to the UK for the first time in 18 years, with the emphasis firmly on 'New Tech, New Skills and New Challenges.'

Held over two days (19th-20th October), delegates from China, France, Germany, Japan, Spain, the US and the UK met to discuss some of the biggest topics facing their sector, including innovative technologies transforming metalforming, how to deliver sustainable performance, bridging the skills gap and remaining profitable in the face of economic struggles.



The congress, started on Wednesday 19th with two company visits to Brandauer in Birmingham and Gestamp's new factory in Four Ashes, Wolverhampton.

Stephen Morley explains the positives of company visits: "Our visits are always a highlight of proceedings as delegates love getting out on the shopfloor and seeing how different companies operate.

"In Brandauer, we have one of the region's most progressive and exciting SMEs and a firm that is leading the way in the manufacture of thin gauge laminations for electrification.

"Gestamp is a major tier 1 automotive supplier, and it will be great to see how its landmark new factory has come together to create a truly world class manufacturing environment."

The next day saw the National Metalforming Centre in West Bromwich host the main Congress, followed by the evening dinner at The Grand Hotel in Birmingham.



The Keynote address from Francisco J. Riberas (Executive Chairman of Gestamp), discussed Major challenges and opportunities in the automotive sector.

Francisco J. Riberas Mera holds a degree in Law (1987) and in Economics and Business Administration (1988) from the University Pontificia de Comillas (ICADE E-3), Madrid. In 1989 he began his professional career working in Business Management at Gonvarri Group. He then became Director of Corporate Development, and was subsequently named CEO. In 1997 he promoted the creation of Gestamp, assuming his role of Executive Chairman and shaping along these years what Gestamp is today.

Ian Harnett (Chairman of Tevva Electrical Trucks), discussed Moving the world towards a better way of transporting everything for everybody.

Tevva is a new Electric Truck Manufacturer based in Tilbury. Tevva has launched 2 trucks to date, a 7.5 tonne Battery Electric Vehicle and a 7.5 tonne BEV with a Hydrogen Fuel Cell Range Extender.

Prior to that Ian worked in the Automotive Industry for 38 years. He started at British Leyland in 1982 at Longbridge as a Presswork Buyer. Over the years Ian worked in a variety of Commodity areas and under a number of different owners..... British Aerospace, Honda, BMW. Ian brought the Purchasing team out of Longbridge and into Gaydon when

Ford acquired Land Rover during the Ford days Ian was based in Cologne for 3 years where he was responsible for all Chassis and Raw Material Purchasing for Ford of Europe, JLR and Volvo.

Antonio Costa, CEO of Congress Diamond Sponsor Kaizen Institute, discussed The Kaizen Institute - Industry 4 innovation and building a digital transformation strategy. António started his career at Kaizen Institute in 1999. Since January 2022, he is serving as Kaizen Institute's global CEO. Recently, he focused on the coordination and development of new opportunities such as the management of full-scale global projects in the service, retail, and healthcare sectors. He has extensive experience in cultural change processes and KAIZEN™ transformation initiatives.



Insights were also delivered by Dan Hurd (Ernst & Young) on Strategy & Transactions Partner of Ernst & Young – Global supply chain issues for the future.

Dan is a Partner and leads the Turnaround and Restructuring Strategy team in the Midlands and is national Automotive and Advanced Manufacturing & Mobility lead for the TRS business. Dan's experiences and skills include stakeholder management and turnaround, leading independent business reviews and pre lend reviews, distressed corporate advisory work, working capital management projects, accelerated acquisition and disposal mandates, options reviews and taking insolvency appointments across a diverse client base.



And from Jianguo Lin (Imperial College London) Future challenges on forming technologies for vehicle light-weighting.

Professor Jianguo Lin, FEng, is a Fellow of Royal Academy of Engineering (FEng). Professor Lin's research expertise is in Metals processing technologies, Materials and process Modelling. He has published over 300 research papers in refereed international journals.



Stephen Morley, Chairman of the Confederation of British Metalforming and President of ICOSPA said "Our congress has been headlined by some of the world's leading voices in the sector, including the man who shaped the creation of Gestamp and the CEO of one of the UK's pioneering manufacturers of electric trucks."

"The ICOSPA Congress brought over 100 senior executives and business leaders from around the world to Birmingham, which has a proud heritage as the heart of the Industrial Revolution and continues to be a sheet-metal and presswork hub – from manufacturing to future mobility, automation and electrification."

The International Council of Sheet Metal Presswork Associations is the main platform for the cross-national exchange of the sheet metal engineering industry.

Over the past 50 years, the six member associations have represented the voices of over 12,300 companies and 600,000 employees throughout the world.

The presidency of ICOSPA will now be passed to the Japan Metal Stamping Association.

Other organisations present include the Precision Metalforming Association, The Confederation of Chinese Metalforming Industry, FIM Metaux en Feuilles and Industrieverband Blechumformung.

For further information please email ICOSPACongress@thebcm.co.uk

ICOSPA

International Council of Sheet Metal Presswork Associations





Confederation of British Metalforming (CBM)

United Kingdom President's Report October 21st 2022

The UK Economy, October 2021



General Indicators

Euro Exchange rate 1.16 Euros /£

Last Year 1.163Euros /£

Dollar Exchange rate 1.13 \$/£

Last Year 1.3646 \$/£

Basic interest rate 2.25% October 2022

Was 0.5% at February 2022

The BoE have been criticised for not raising the Interest rates high enough as the last change on September 22nd

Its anticipated that another increase is imminent maybe even before you read this!!!!

Forecasters predict we could be at 4% by the end of the year

Inflation

◆ CPIH 12-month rate

◆ Aug 2022

◆ 8.6%

◆ ↓ -0.2pp on previous month

◆ Predicted that it could reach 11% by the end of the year

GDP

◆ Quarter on Quarter

◆ Apr - Jun 2022

◆ 0.2%

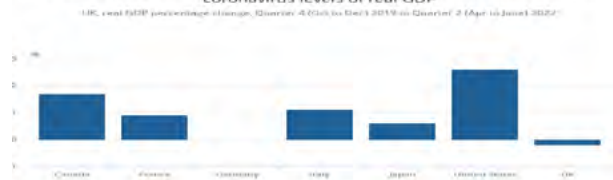
◆ ↓ -0.5pp on previous quarter

◆ Latest date GDP fell 0.3% in August with Production falling 1.8%

◆ The UK is the only G7 economy to not have yet recovered to pre-coronavirus levels of real GDP

G7 GDP – UK % Change Q4 2019 to Q2 2022

Figure 4: The UK is the only G7 economy to not have yet recovered to pre-coronavirus levels of real GDP



Source: Office for National Statistics – GDP quarterly national accounts and Organisation for Economic Co-operation and Development

Unemployment rate

◆ Aged 16+ seasonally adjusted (Jun - Aug 2022)

◆ 3.5%

◆ ↓ -0.9pp on previous year

◆ The employment rate decreased on the quarter but increased on the year and is still below pre-pandemic rates.

Employment rate

◆ Aged 16 to 64 seasonally adjusted (Jun - Aug 2022)

◆ 75.5%

◆ ↑ 0.3% on previous year

◆ The unemployment rate for June to August 2022 decreased by 0.3 percentage points on the quarter to 3.5%, the lowest rate since December to February 1974.

In July to September 2022, the estimated number of vacancies fell by 46,000 on the quarter to 1,246,000, this is the largest fall on the quarter since June to August 2020.

Despite three consecutive quarterly falls, the number of vacancies remain at historically high levels.

◆ 96,000 vacancies open for 3 months and over.

◆ 1.2 million EU nationals returned to Europe due to Brexit and pandemic.

◆ 700,000 economically inactive (down from 1 million) average age 52 in manufacturing. These are people who retired earlier or downsized

◆ Overall cost to economy is £7 Billion in lost revenue.

◆ 46% of Businesses within **ONE** month of liquidity. Threat of 750k insolvencies!!

Energy Crisis

With Energy crisis forced on us by the Russian invasion of Ukraine and their subsequent actions to disrupt supply the UK Government have reacted with Support packages for both domestic users and business.

◆ Wholesale energy prices will be capped for firms and organisations for six months from 1 October

◆ Prices will be fixed at 21.1p per kWh for electricity and 7.5p per kWh for gas

◆ The government says this is less than half the wholesale prices expected this winter



- ◆ Organisations on fixed price contracts will be eligible if their deal started after 1st December 2021 the savings will begin to appear in November's bills (backdated to October) and will be applied automatically
- ◆ A review will be published in three months' time to identify "vulnerable" organisations needing support after March 2023

INDUSTRIAL ELECTRICITY PRICES 2022



INDUSTRIAL GAS PRICES 2022



- ◆ British Government are in turmoil, and this has affected the value of the £ and markets in general . By the time you read this we may have another Prime Minister , we have already had 4 chancellors this year!!!
- ◆ Prices and delivery have continued to be an issue especially after Brexit
- ◆ Still seeing delays at ports
- ◆ Steel Safeguarding has improved thanks to our lobbying with the British the quota was increased but there is still work to do.
- ◆ Wide ranging industrial action is impacting freight on trains and docks.
- ◆ Increased costs due to Energy costs, increased freight charges and higher labour rates
- ◆ Many goods have seen shortages but the most prominent one for our members is still the global shortage of semi- conductors bringing our automotive manufacturers to sever disruption and downtime for our members in the supply chain

Trade Association Activities

- Lobbying government on:-
 - ◆ Steel safeguarding
 - ◆ Energy Costs
 - ◆ Skill & Labour Shortages
 - ◆ CBM holding weekly meetings with the UK Department for Business

Japan Metal Stamping Association (JSA)

The Japan Economy October 2022

- ◆ The Yen has lost about 30 yen against the dollar.
- ◆ Prices are rising.
- ◆ Problems with materials costs.
 - Product prices remain as materials costs increase.
 - When product prices get raised but it'd be a portion or affected time would be belated.
- ◆ The consumer price index rose 2.8% in August from a year earlier at a rate not seen in nearly 31 years. The highest level of price hikes this year continue in October.
- ◆ The Tankan (Short-Term Economic Survey of Enterprises in Japan) September 2022, showed Diffusion Index for big manufacturers worsened to plus 8 deteriorating for the third straight quarter.

Energy Update

- ◆ Procurement costs are swelling due to the weaker yen. The import price of crude oil and LNG increased about 1.9times and 2.4times. Japan is dependent on imported fossil fuels for more than 80% of its energy source and Japan's primary energy self-sufficiency is the worst among G7.
- ◆ The government will finalize in October the plan to extend its subsidy program as the economic stimulus package that began in January for oil wholesales beyond next year.
- ◆ Electricity price jumps up about 30% more than a year earlier. The government considers a subsidy that pays half of the price growth in the FY2023 general account budget.

Automotive Industry

- + The automotive semiconductor shortage and price hike of steel materials.
- + Four-year wait for a new car and some stop taking new orders.
- + Consumer demand changes due to the pandemic.
- + Vehicle demand is bouncing back.
- + Semiconductor supply will exceed demand in 2023~2024.
- + Demand for semiconductor content per EV is roughly + 2~3times that of internal-combustion engined ones.
- + Raw material costs, such as steel and resin breakthrough.

Trade Association Activities

The exhibition 2022 in Osaka/ Aichi

	Osaka	Aichi
Numbers of Exhibitors	243 companies & Associations - Total 563 Booths	293 Companies & Associations - total 496 booths
number of visitors	23,875	20,982

- ◆ Preparation for The exhibition 2023 in Tokyo/ Aichi
- ◆ Factory inspection held by Ministry of Economy, Trade and Industry
- ◆ Organizing seminars:
 - 3times for Pressing of pipe material
 - 2times for Embedded system development for use in the field
 - The 108th Seminar "Press Technology and Micro/Nanotexturing"
 - Digital transformation

Country Updates Germany

IBU - Industrieverband Blechumformung e.V.

Economic Situation

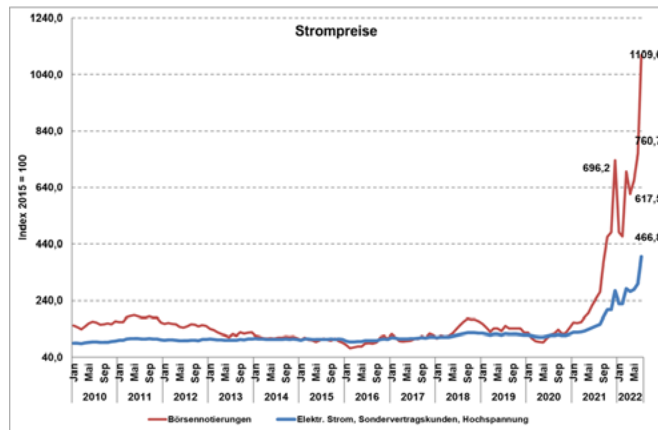
Business Climate Supplier Industry – January 2022 (ArgeZ – Arbeitsgemeinschaft Zulieferindustrie/ Working group supplier industry)

--- Expectations for the next 6 months

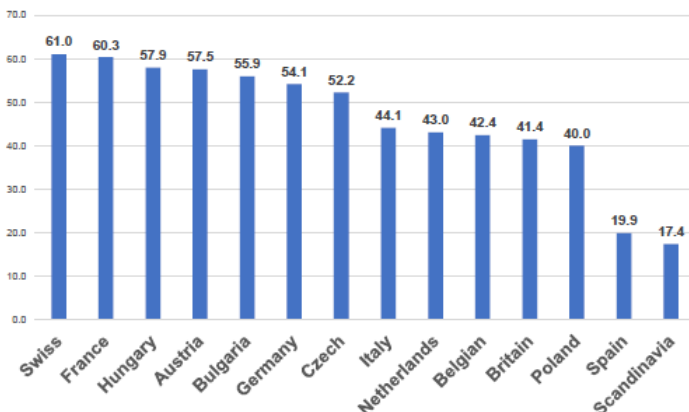
--- Current situation



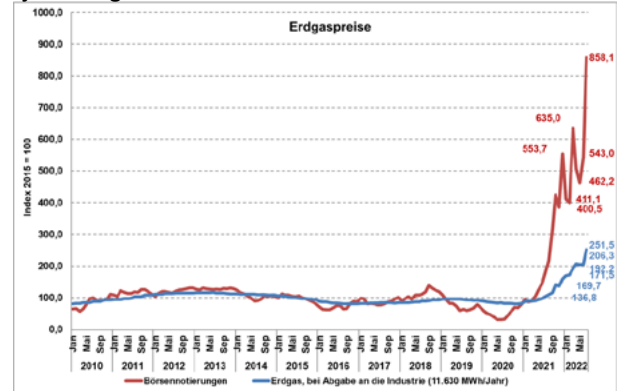
In red: Energy Exchange prices
In blue: Prices paid by industry
Monthly averages as index



Electricity prices in Europe

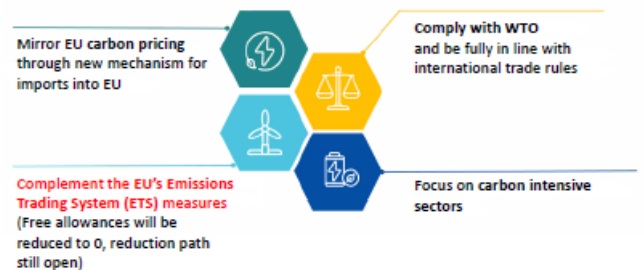


In red: Energy Exchange prices
In blue: Prices paid by industry
Monthly averages as index



Materials & Safeguarding CBAM – Risk for European sheet metal forming

Key elements of CBAM design



CBAM – Basic concept

Equal carbon pricing

- EU businesses pay a **carbon price on their production in the EU (EU-ETS)**

- **Imports will need to pay a carbon adjustment**, corresponding to the price they would have paid if the goods had been produced under the EU's carbon pricing rules (ETS).

- The CBAM charge will be adjusted to reflect the level of EU ETS free allowances allocated to EU production of sectors in scope.

- Increasing carbon price will lead to a corresponding increase of CBAM charge (current carbon price steel approx. 80 €/t)

Non double pricing (credit)

- If a non-EU producer can show that they have already **paid a carbon price** for the production of the imported goods in a third country, that amount can be fully deducted for the EU importer.

Precision Metalforming Association

U.S. Economy October 2022

♦ The U.S. economy has been in a “technical” recession for the last two quarters even though employment and jobs numbers remain unaffected and consumer strength has continued.

♦ PMA's forecasting partner, ITR Economics, suggests that inflation is starting to moderate and they do not expect deflation. ITR reports that “evidence is wide ranging for a soft landing for Industrial Production and real personal income is rising, suggesting that even when inflation is taken into account consumers are well positioned to move the economy forward.”

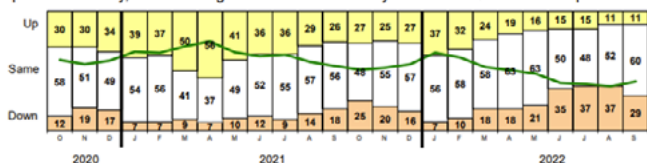
♦ National Association of Manufacturers (NAM) reported in its Q3 survey that 73% of manufacturing leaders listed supply chain disruptions as their primary business challenge, with 10% believing improvement will not occur until the end of 2022.

U.S. Economy October 2022

Data from PMA's September 2022 Business Conditions Survey

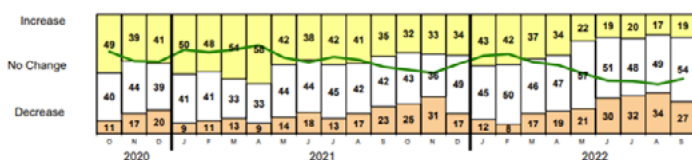
Members forecast little change in expectations for economic activity in the coming months:

Compared with today, the trend of general economic activity for the next 3 months is expected to be:



A modest improvement is expected for incoming orders:

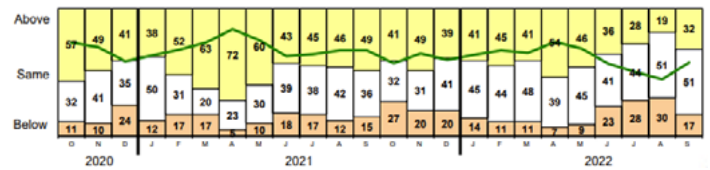
Compared with the last 3 months, what do you expect the trend to be in your incoming orders during the next 3 months:



Country Updates USA

Average daily shipping levels rebounded in September after declining for the previous four months:

Compared to 3 months ago, current average daily shipping levels are:



Other key findings in September:

- ♦ Lead times have remained steady.
- ♦ 67% of companies are currently expanding their workforce.
- ♦ Only 2% of companies had a portion of their workforce on short time or layoff

Steel Pricing and Production Trends

SteelBenchmarker™ HRB Price

USA, China, Western Europe and World Export

(WSP's PriceTrack data, Jan. 2002 - March 2006; SteelBenchmarker data begins April 2006)



U.S. Hot-Rolled Band prices continue to drop.

However, U.S. HRB is \$383 per metric tonne more expensive than in China and \$134 per metric tonne higher than in Western Europe.

Through October 1, year-to-date domestic raw steel production was at a 77.1% capability utilization rate, an 7.6% decrease from the same period last year.

Energy Update

Entering 2021, the U.S. was an energy exporting country and not dependent on foreign oil reserves. Actions by the Biden administration have made the U.S. energy dependent on foreign oil reserves.

Discussion of future plans for energy in the U.S. creates massive differences in opinion on how the government, manufacturing and consumers should proceed. The Biden administration has decreed that 50% of vehicles produced by 2035 must be zero carbon and the country should be carbon neutral by 2050. The state of California and other states have decreed that new gasoline engine vehicles will not be allowed to be sold by 2035 and have proposed additional emissions constraints.



Manufacturing leaders and oil and gas associations forecast that, while the technology exists to build the EV vehicles of the future, there are significant concerns about the emphasis on EVs as the answer to the carbon emissions problem, including:

- ◆ Expected shortages in the electric grid
- ◆ Almost all rare earth minerals needed to manufacture batteries are mined in hostile countries to the U.S.
- ◆ Strip mining will significantly change the surfaces of countries in which it is mined and already is facing opposition from local communities
- ◆ The lack of existing infrastructure to support the manufacture of batteries and charging requirements on the national grid
- ◆ The lack of an adequate plan for end-of-life recycling of batteries
- ◆ Cost implications of the batteries

Trade Association Activities

- ◆ Membership continues to grow. We have added 50 new members, starting April 1. Currently we have more than 930 member companies with a retention rate over 90%.
- ◆ Live events have been strong but not back to levels before the pandemic, except for Forming Our Future which was sold out.
- ◆ FABTECH Atlanta will be strong, about 80% capacity. FABTECH 2024 has record bookings so far.
- ◆ PMA's Educational Foundation and PMA are creating new METALFORM EDU content – press brake and advanced press operations.
- ◆ Renovated PMA HQ has been home run for visitors and for our meetings – charging the same price for virtual as in-person. Gained a new tenant to the building, the Forging Industry Association.
- ◆ The U.S. economy is very interesting. Some areas are slowing down, whereas other areas are still very strong. Automotive will take two years to get back to 2019 levels. Equipment manufacturers are busy.

Confederation of Chinese Metalforming Industry (CCMI)

The update of China's economic and manufacturing development in the first half of 2022

Items	Year-on-year growth rate
GDP	2.5
PPI	7.7
CPI	1.7
Import and export value of goods	10.3
Export value of goods	14.2
Import value of goods	5.7
Value added of manufacturing enterprises above designated size	2.8
Value Added of automobile manufacturing industry	-1.9
Value added of general equipment manufacturing industry	-2.7
Value added of electrical machinery and equipment manufacturing industry	9.7
Value added of computer, communication and other electronic equipment manufacturing industry added value	10.2
Value added of railway, ship, aerospace and other transportation equipment manufacturing industry	1.6
Steel output	-4.6

The output of major enduser industries of China metal formed parts by June 2022

Major enduser industries	Jun-22	YoY Growth (%)
Metal smelting equipment (10 thousand tons)	44.4	11.0%
Cement special equipment (10 thousand tons)	21.7	0.7%
Industrial boilers (10 thousand tons of evaporation capacity)	16.5	-1.0%
Special packaging equipment (10 thousand sets)	40.6	-27.2%
Air pollution prevention and control equipment (10 thousand units (sets))	17.1	0.7%
Special equipment for feed (10 thousand units)	1.59	-43.3%
Industrial robots (10 thousand units)	22.2	-11.2%
Metal cutting machine tool (10 thousand units)	29.0	-7.3%
Metal forming machine (10 thousand units)	10.4	-11.1%
Engine output (100 million KW)	10.9	-23.1%
Excavator (10 thousand units)	15.7	-27.1%
Large and medium tractors (10 thousand units)	21.5	-6.5%
BMU (units)	297	-66.4%
Civil steel ships (10 thousand deadweight tons)	1554	-11.1%
Metal container (100 million m³)	0.85	-20.3%
Elevators, escalators and lifts (10 thousand units)	65	-11.5%
Electric hand-held tools (100 million units)	1.03	-21.2%
AC motor (100 million KW)	1.95	7.5%
Lithium-ion battery (100 million PCs)	115	4.5%
Solar cells (photovoltaic cells, 100 million KW)	1.42	31.8%
Optoelectronic devices (trillion PCs)	0.57	-6.7%
Electrical instrumentation (100 million units)	1.21	-1.8%
Automobile (10 thousand units)	1248	-2.1%
Car (10 thousand units)	460	0.9%
SUV (10 thousand units)	470	3.5%
Truck (10 thousand units)	153	-35.5%
Generator set (100 million KW)	0.77	9.4%
Household refrigerators (10 thousand units)	4164	-6.4%
Room air conditioner (100 million units)	1.22	1.1%
Household washing machines (10 thousand units)	4113	-4.1%
Program-controlled switch (10 thousand lines)	774	138.5%
Mobile communication handsets (100 million units)	7.44	-2.7%
Microcomputer equipment (100 million units)	2.12	-5.0%
Integrated circuit (100 million PCs)	1661	-6.3%
Color TV set (100 million units)	0.90	5.5%
Copier and offset printing equipment (10 thousand units)	164	-25.5%
Remarking	(“-12 ; “+24)	

New energy industry becomes the largest growth point of metal forming industry market

According to various industry surveys conducted by CCMI, in the first half of 2022, the new energy production and application industry will undoubtedly become the only largest market growth point in the sheet metal forming industries.

In the first half of this year, the added value of high-tech manufacturing above designated size increased by 9.6% year on year, and the investment in high-tech industries increased by 20.2%, both of which maintained a rapid growth. The added value of manufacturing accounted for 28.8% of GDP, up 0.7 percentage points over the same period of last year. The proportion of clean energy consumption in total energy consumption increased by 1.3 percentage points year-on-year, and the output of new energy vehicles and solar cells increased by 111.2% and 31.8% respectively.

In the second quarter, the added value of high-tech manufacturing industry increased by 5.7% year on year, 5.0 percentage points higher than that of all industries above designated size. The added value of lithium ion batteries, electronic components, integrated circuits and other small industries grew by more than 20%. The output of monocrystalline silicon, polycrystalline silicon, photovoltaic cells and other products increased by 61.3%, 50.6% and 30.4% respectively, 37.3, 13.0 and 6.1 percentage points higher than that of the first quarter.

List of the current Energy Prices in Beijing

Items	City residents		City general industry and commerce		Remarks
Electricity price (RMB/kWh)	0.48	≤ 240 kWh/household * month	1.44	Top peak period/day	Different slightly in different provinces and municipalities
	0.53	241-400 kWh/household * month	1.32	Peak period/day	
	0.78	≥400 kWh/household * month	0.80	Flat period/day	
	-	-	0.30	Low point period/day	
Natural gas price (RMB/m ³)	2.61	≤350 m ³ / household * year	2.87	-	Different slightly in different provinces and municipalities
	2.83	351-500 m ³ / household * year	-	-	
	4.23	≥500 m ³ / household * year	-	-	
Fuel price (RMB/liter)	8.19	92 # gasoline from September 21	8.19	92 # gasoline from September 21	Adjusted every 14 days according to national regulations. Different slightly in different provinces and municipalities. Different slightly in different gas stations.
	8.72	95 # gasoline from September 21	8.72	95 # gasoline from September 21	
	7.91	0 # diesel oil from September 21	7.91	0 # diesel oil from September 21	

Major Forum in 2022

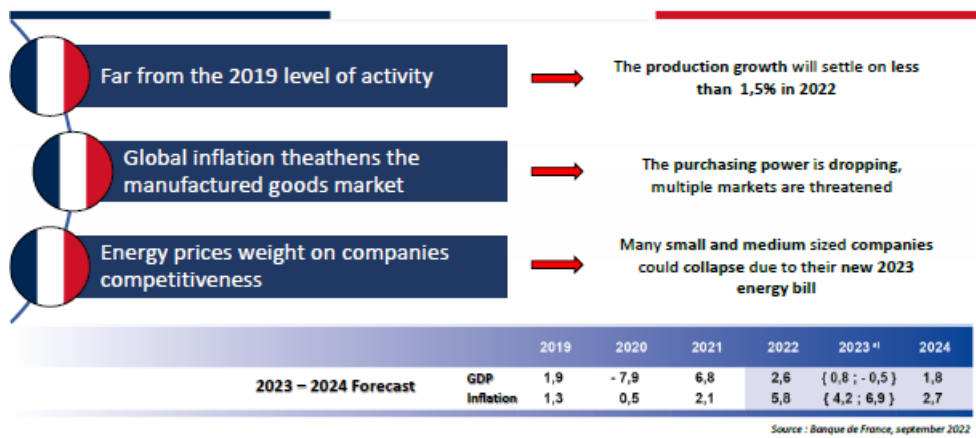
Since its establishment in 2016, "SepDay Festival" has gradually become a flagship event in forging, pressing & stamping, sheet metal & fabricating and related industries. It has attracted the attention of hundreds of thousands of industry colleagues at home and abroad every year, and has become a major integration based on forging, pressing & stamping, sheet metal & fabricating industries. The mutual inspiration of process technology, the passion collision of equipment technology and the intersection and addition of talent ideas have also become a window and bridge for the mutual exchange of metal forming peers in the world.

The SepDay 2022 will be held in Shanghai on Dec. 6-11, 2022. The Contents in SepDay 2022 are listed in .

Events	Date & Venue
MetalForm China 2022 -ChinaForge Fair 2022 -MetalFab China 2022 -JointWeld China 2022 -SheetMetal China 2022 -MetalComp China 2022 -Die & Tool China 2022	Date: 2022-12-08/11 Venue: Hall 5, National Exhibition and Convention Center (Shanghai)
Forge Meeting China 2022 -Closed-die Forging Directors Meeting 2022	Date: 2022-12-06/08 Venue: To be indicated in Official Announcement
P&S Meeting China 2022 -Stamping Directors Meeting 2022	Date: 2022-12-06/08 Venue: To be indicated in Official Announcement
Blech Meeting China 2022 -Fabricating Directors Meeting 2022	Date: 2022-12-06/08 Venue: To be indicated in Official Announcement
ECO-MetalForm Summit 2022 -ChinaForge Fair Conference 2022 -MetalForm China Conference 2022	Date: 2022-12-08.PM Venue: Hall 7, National Exhibition and Convention Center (Shanghai)
Buyers Forum Int'l 2022 -2022 Forging, Stamping and Fabricating Parts Buyers Meeting	Date: 2022-12-09 Venue: To be indicated in Official Announcement
TPP- MetalForm Conference China 2022 -Lastest Technology & Products Promotion Press 2022 -ChinaForge Fair Conference 2022 -MetalForm China Conference 2022	Date: 2022-12-09/11 Venue: Hall 5,National Exhibition and Convention Center (Shanghai)
Shen Gong (Masterpeice) Prize2022 -Shen Gong (Masterpeice)-Metal Formed Parts Awards 2022	Date: 2022-12-10 Venue: Hall 5, National Exhibition and Convention Center (Shanghai)
Promotion Forum 2022	Date: 2022-12-08/11 Venue: Hall 5,National Exhibition and Convention Center (Shanghai)
Qualified Suppliers Recommended 2022	Date: 2022-12-10 Venue: Hall 5, National Exhibition and Convention Center (Shanghai)

FIM Métaux en Feuilles

France : The global situation



The sources of incertitude for 2023

Difficulties to work with China : The zero-Covid policy will most likely continue to affect the companies whose business model depends on **cooperation with Chinese structures**

Consequences of the conflict in Ukraine :

- ◆ More tensions on **raw materials supplies** are to expect
- ◆ The **French and European economies** will mainly depend on the **duration** and **outcome** of the **conflict**

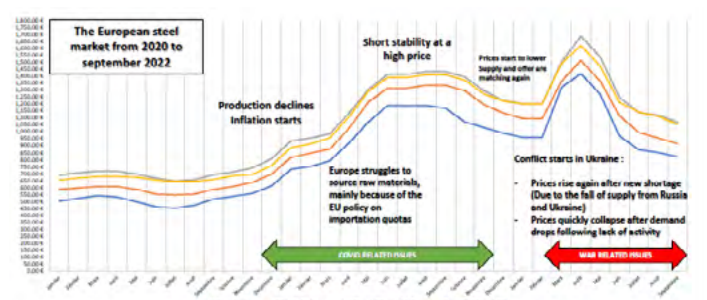
The **stability of multiple markets** used to depend on **Russian and Ukrainian supplies**, including **iron, steel**, but also **cereals** and **natural gas**

Economic sanctions against Russia :

- ◆ Big impact on the **inflation dynamic**
- ◆ Contributes to **lower the buying power** of French households
- ◆ **Negative impact** on the **profitability** of French companies

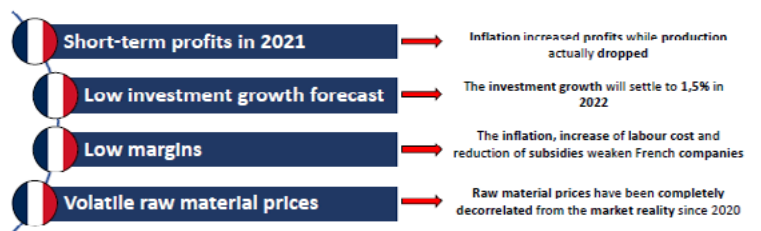
Consumption decrease and decline in investments

Raw materials : An unstable atmosphere in Europe

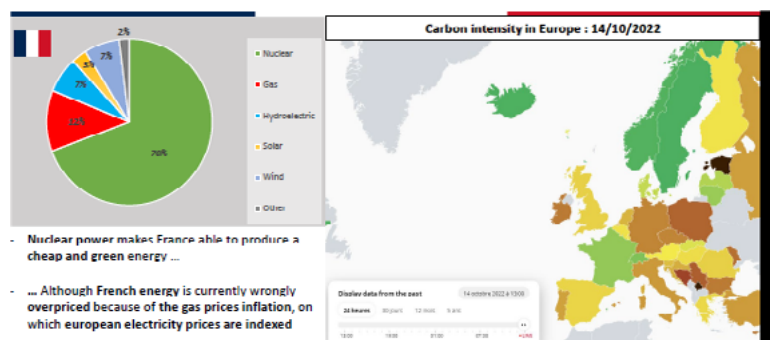


French companies : A bitter situation

Cash flow and investments keep going down : The price of energy, gas, and lack of activity weaken French companies



A word about French energy



ICOSPA

International Council of Sheet Metal Presswork Associations



Country Updates FRANCE

The EU green deal : Competitiveness issues

The EU planned to induce new taxes concerning carbon intensive products such as cement, steel, iron, aluminium and fertilizers (CBAM)

- CBAM will slowly cancel the free carbon credits system for European companies manufacturing raw materials
- CBAM will set up a carbon tariff on raw materials manufactured outside Europe ...
- ... But no carbon tariff is planned for the imported manufactured goods

The price of imported and local raw materials increase while the price of imported goods remains the same

Competitiveness loss for European companies



FIMMEF on the Blechexpo exhibition



BLECHEXPO
07.-10. November 2023
STUTT GART



16th Blechexpo
International trade fair for sheet metal working
07.-10. November 2023
Stuttgart
9th Schweisstec
International trade fair for joining technology

be part
of the
best

France 2030 : An ambitious investment

- Promote the emergence of a small modular reactor supply in France
- Become the leader of green hydrogen and renewable energies
- Produce 2 million electric vehicles in France by 2030
- Produce the first low-carbon plane in France by 2030
- Invest in the spatial sector to promote a French supply of reusable launch vehicles and miniaturized satellites



FIMMEF around the world



Morocco
2016



China
2017



Japan
2018



USA
2019



Vietnam
2023

FIMMEF on the Global Industrie exhibition

- Presentation of an automated stamping cutting line
- Production of FIMMEF stamped key rings for the visitors



GLOBAL
INDUSTRIE 17-20
MAI 2022



STAND
6F18



ICOSPA

International Council of Sheet Metal Presswork Associations

