



COLAS
**GENERAL
CONTRACTOR
OF ROAD
INFRASTRUCTURE
PROJECTS**



COLAS

COLAS, WORLD LEADER

in construction and maintenance of transport infrastructure



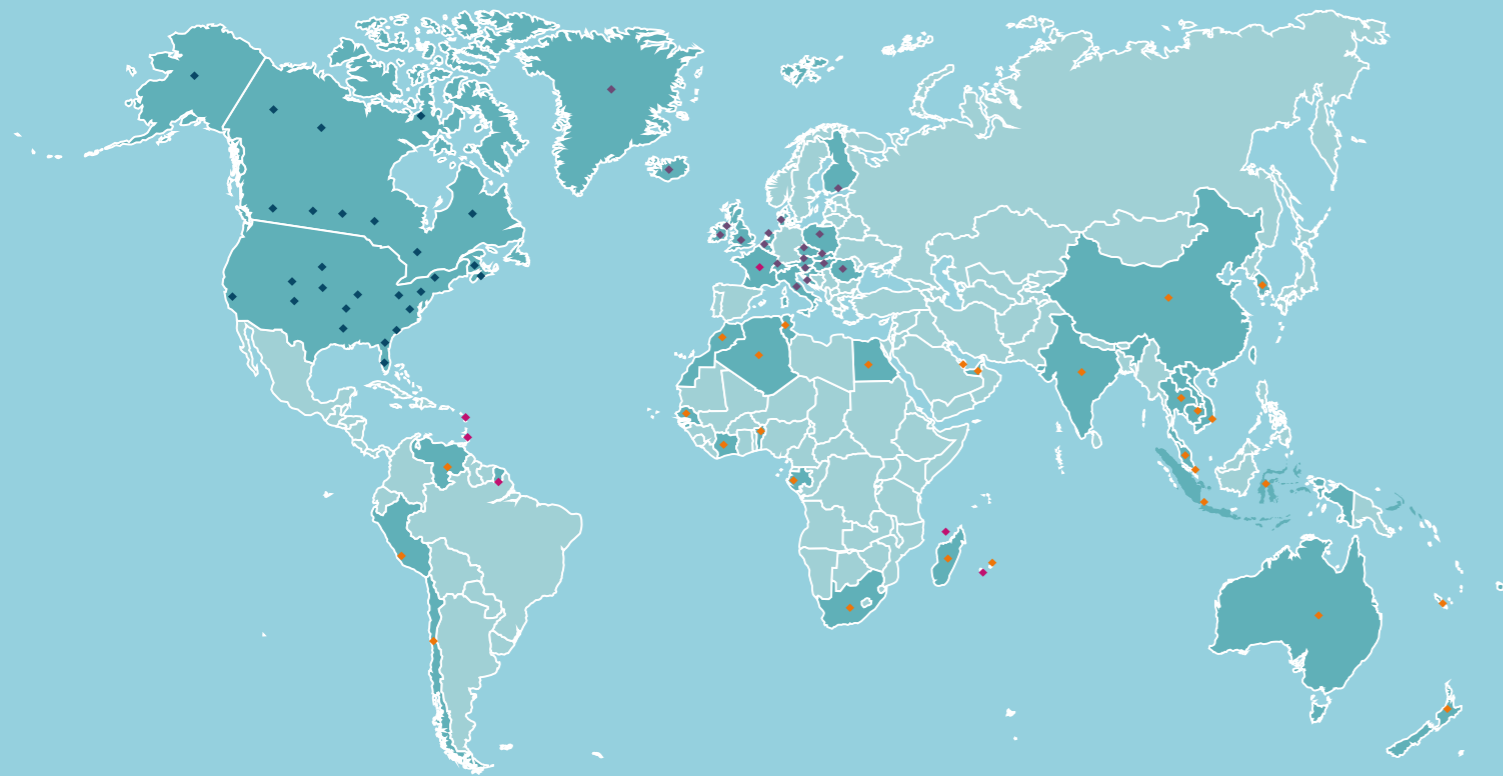
FIVE CONTINENTS, FIFTY COUNTRIES

Colas CZ has been operating in the Czech Republic for over a quarter of a century, and all the time it can rely on its strong international background.

Colas CZ has continuously grown and incorporated other construction companies in the Czech Republic. In 2008 the company acquired Astech, a specialist in modified asphalt. Silnice Žáček has also been part of Colas since 2020. The Road Construction Division of Colas CZ operates in four areas which are divided geographically. The whole Czech Republic is thus split into North, South, West and East.

As well as a quarter-century ago so today Colas CZ may rely on a strong international background. Its sole shareholder is the French company Colas SA, which celebrated its 90th anniversary in 2019. The majority share of our parent company is held by the family-owned Bouygues Group. The Group operates not only in the energy sector, media (for instance it owns the French television channel TF1) and telecommunication, but above all in the construction industry. The Group carried out projects such as the Channel Tunnel, Charles de Gaulle Airport in Paris or the national football stadium Stade de France.

The Colas Group, which is part of Bouygues, is a large family of constructors. Yellow-and-black Colas colours can be found in more than fifty countries on five continents. Colas employs 57,000 people worldwide, working on more than 60 thousand construction sites last year. The entire Group reached a turnover of nearly EUR 13.2 billion (CZK 330 billion*) last year. The shares of both the Colas Group and the Bouygues Group are traded at the Paris stock exchange Euronext. Their shares are rated as "blue chips", i.e. among the most reliable and stable ones.



> **57,000**
employees

> **€13.2**
billion in revenue

> **60,000**
projects

> **800**
local business
units in 50
countries
worldwide

> **TOP 5**
recyclers
in the world

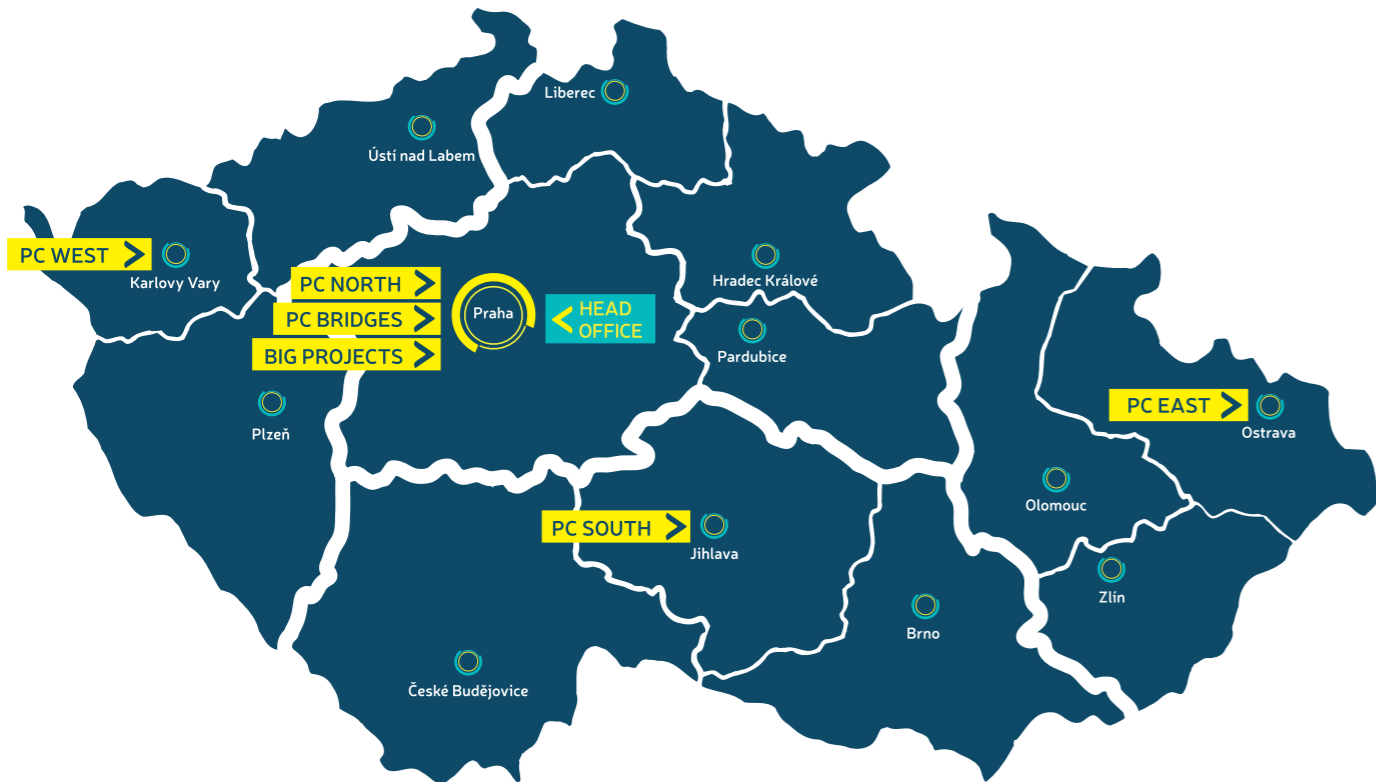
SCOPE OF BUSINESS



- Complete construction, reconstruction and repairs of roads – motorways, roads, urban roads, bikeways, field paths, paved areas (car parks, rest areas, etc.)
- Earthworks
- Construction of noise barriers
- Construction, reconstruction and maintenance of railway and tram lines and sidings

- Construction and refurbishment of bridge structures for road and railway construction projects
- Quarrying, production of crushed aggregates
- Production and laying of asphalt mixtures
- Production of hot asphalt mixtures and modified asphalt binders
- Sale of cationactive emulsions
- Manufacture of the Medialine road marking
- Equipment and machinery
- Independent testing laboratory and in-house research

ROAD CONSTRUCTION DIVISION



HEAD OFFICE - Praha	
PC NORTH - Praha	PC SOUTH - Jihlava
PC WEST- Karlovy Vary	PC BRIDGES - Praha
PC EAST- Ostrava	BIG PROJECTS - Praha



HOT ASPHALT MIXING PLANTS AND QUARRIES



HEAD OFFICE	Medialine	HAMP		QUARRIES	
	1. Medialine	1. Sudoměřice	7. Čenkov	1. Svržno	7. Mirošov
		2. Rančířov	8. Bašnice	2. Čenkov	8. Křoví
		3. Bystřice	9. Soutice	3. Císařský	9. Vícenice
		4. Tasovice	10. Valdorf	4. Vanov	10. Královec
		5. Holubice Astech	11. Vrbice	5. Rančířov	11. Police
		6. Sedlnice	12. Provodín	6. Bory	12. Tasovice



OUR PROJECTS



BRIDGE NEAR VELKÝ BERANOV

There are five bridges on the new bypass of Velký Beranov, which was opened in the autumn of 2020. Colas CZ was responsible for bridging a tributary of the Henčovský Brook. The new elegant bridge with a total length of 178 metres and a width of nearly 12 metres spans a deep forest valley. Technically, it was an extraordinary construction project – the pillars rise to a height of 14 metres and the concrete construction itself took 22 hours of non-stop work.



ŽĎÁKOV BRIDGE

The repair of the Žďákov Bridge, which was once the largest single-arch steel bridge in the world, is not among our largest projects in terms of financial volume, but it shows well that we excel in the area of bridge construction. From 2015 to 2017, we carried out a complete repair of the bridge superstructure between the two banks of the Vltava River, including the replacement of expansion joints, the renovation of the paintwork of the steel structures and the rehabilitation of the concrete structures.





ČESKÉ BUDĚJOVICE BYPASS

The construction of a much-awaited motorway bypass of the South Bohemian metropolis, which should significantly relieve the congested city, began in 2019. In a consortium with two partners, Colas CZ is responsible for the Úsilné-Hodějovice section of the D3 motorway. In terms of the volume of work and budget, it is our largest construction project to date. It should be finished in 2022. Colas CZ will carry out bridge works and also lay asphalt and cement-concrete surfaces.



BYPASS OF VELKÝ BERANOV

Velký Beranov was plagued by heavy transit traffic for years, with up to 12,000 cars passing through daily. The bypass brought a significant relief and Colas CZ participated in its construction. The builders had to deal with a very rugged terrain, the bridges are divided by deep cuts, the largest of which is 16 metres long, and a grade-separated crossing had to be built. The four-kilometre bypass was opened in autumn 2020.



MOTORWAY ALONG THE BESKYDY MOUNTAINS

The Rybí-Rychaltice section of the D48 motorway is an important reference contract in which Colas CZ, as part of a consortium of companies, was responsible for cement concrete surfaces. The thirteen-kilometre construction project was built during operation. Thanks to the contribution of our company, the I/48 section, which earned the unflattering nickname "Road of Death", became a full-fledged and above all safe motorway. Colas CZ returned to the Beskydy Mountains in 2021; it is building another section of the D48, this time from Bělotín to Rybí.



ROUNABOUT JUNCTION IN ALŽBĚTÍN

The surroundings of the former custom-house in Alžbětín near Železná Ruda used to be a traffic bottleneck. Since 2020, however, a three-lane intersection has been serving the drivers there, completed with sidewalks, pedestrian crossings and a bikeway. Colas CZ has also been involved in the redevelopment of the car park at the local free shop and the reconstruction of the bridge. All this in the Šumava Protected Landscape Area.



PŘÍSEKA BYPASS

Jihlava and Třebíč are two regional centres of the Vysočina Region, but the traffic between them is not continuous because the road passes through several villages. This is why the bypass of Příseka near Jihlava, which was put into operation in 2015, has been a great relief for locals as well as drivers. On the three-kilometre section of the relocation, which Colas CZ contributed to, the builders also constructed two bridges in the form of tubosiders, flexible steel frames that are covered with gravel and soil.



BRIDGES ON THE WATER CHANNEL

The Vraňany-Hořín Navigation Channel allows cargo and cruise ships to circumnavigate the dangerous rapids upstream of the confluence of the Vltava and Labe rivers. As part of the complete reconstruction of this extraordinary technical structure, Colas CZ built two new bridges in Zelčín and Vrbno. Thanks to the increase in the underpass height, taller ships can pass through the channel; both bridges also serve road traffic and, of course, pedestrians and cyclists who have grown to love the region around Mělník.



PROVING GROUNDS FOR ŠKODA AUTO

Colas CZ has also secured a number of important contracts for private investors. One of them is the three-kilometre test track for Škoda Auto near the village of Úhelnice near Mladá Boleslav. Colas CZ completed the technically demanding construction project, where the asphalt overlay was laid in a single strip with a single longitudinal joint, in 2020. Our company managed to complete the actual laying in a record-high nine days.



PROVING GROUNDS FOR BMW

In the vicinity of Sokolov, the consortium of Colas CZ and Colas Projects is building proving grounds for the Future Mobility Development Centre of the BMW Group. The proving grounds, which are located on the site of a former landfill, will be one of the largest and most up-to-date in Europe.

COLAS CSR COMMITMENTS TO ITS STAKEHOLDERS

In 2020, Colas formalized eight commitments to its customers, employees, partners, users, investors and, more generally speaking, civil society as a whole.

➤ Shape an exemplary culture of Ethics and Compliance.

➤ Build a responsible supply chain rooted in sustainable performance.

➤ Foster a stronger health and safety culture to protect lives.

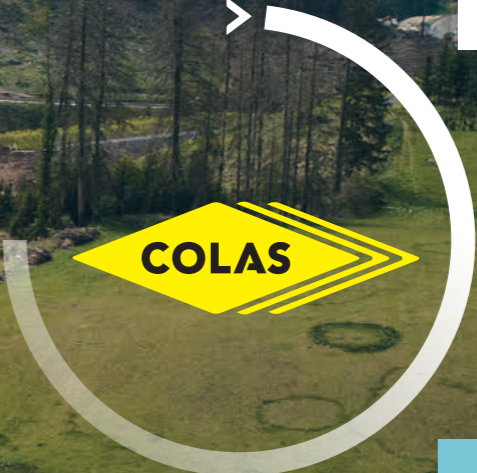
➤ Offer our customers and users solutions that meet the challenges of sustainable development in local communities.

➤ Roll out a low carbon and biodiversity strategy to preserve the planet.

➤ Promote circular economy solutions to preserve natural resources.

➤ Reduce the impact of our activities to bolster acceptability.

➤ Attract, develop and retain talent through managerial excellence.



OFFER OUR CUSTOMERS AND USERS SOLUTIONS THAT MEET THE CHALLENGES OF SUSTAINABLE DEVELOPMENT IN LOCAL COMMUNITIES

Environmental and climate issues, as well as changing usages, are not just a source of constraints for Colas. They are also opportunities. The Group is developing offers and services linked to the challenges posed by sustainable development. Colas' ambition is to design and offer tomorrow's sustainable infrastructure (safe, sustainable, accessible, shared, connected), to better serve users, and open the way to economic and social development for local communities.



- ✓ Integrate the challenges of climate change into our Group strategy.
- ✓ Roll out actions to reduce the carbon intensity of our direct emissions.
- ✓ Develop and promote low-carbon techniques and solutions.
- ✓ Optimize carbon accounting in our business activities.
- ✓ Contribute to carbon neutrality and reduce emissions of our customers and users.



DYNAMIC LUMINOUS ROAD MARKING

Flowell trial to improve road safety at a busy intersection in Nantes, France.



LOCAL ENERGY AUTONOMY

Wattway Pack photovoltaic solution on a bike path in Grave, the Netherlands.



CHATEAU GARDEN IN OSLAVANY

Colas CZ is not only synonymous with hundreds of kilometres of quality motorways, roads, pavements or bikeways, but also with complete civic amenities built on a "turnkey" basis. An example of this is the Chateau Garden in Oslavany, where Colas CZ has built a sports and recreation complex with a park, paved areas, several playgrounds and a natural pool. The former mining town near Brno has thus been given a new centre.

DIRT ROADS IN CHLUM

In some places, there is no need to build full-fledged roads, yet the new roads will make the work of farmers, foresters or orchardists much easier. This is demonstrated by the three new dirt roads built by Colas CZ near Chlum near Dubá. In the hilly landscape, macadam alternates with asphalt, which is a good surface not only for agricultural machinery but also for those who like to ride bikes or skate.



TRAM LINE IN OSTRAVA

Colas CZ specializes in road construction, but it has also completed a number of successful railway construction projects. These include a new tram line on the Výškovická Street in Ostrava. Thanks to our builders, passengers can enjoy a ride on tracks with lower noise levels and less vibration, and a grass strip to boot.

FOOTBRIDGE OVER THE MODRAVA RIVER

Our successful projects include not only motorways and roads, bypasses and flyovers, but also smaller structures sensitively integrated into the surrounding landscape. Examples include a wide footbridge over the Roklanský brook in Modrava in the Šumava hills, which has been serving tourists, cyclists and skiers since 2014.



WE ARE REDUCING THE IMPACT OF OUR ACTIVITIES AND BOLSTER THEIR ACCEPTABILITY

The Colas Group is committed to reducing the impact of the production of construction materials and construction activities on the environment of local residents and users. The aim is to develop and share solutions which will improve the respective processes. These solutions, accompanied by regular discussions with local residents and users, aim to improve the social acceptability of our construction sites and workplaces.

We support circular economy for the conservation of natural resources

As one of the five largest recycling companies in the world, the Colas Group recycles and reuses, within its infrastructure projects, waste materials and construction debris. It also provides its customers with solutions in the circular economy field, in particular through the development of platforms for recycling, recovery and reuse of materials. In doing so, it helps protect natural resources.



Wooden beehives in Čenkov quarry

We are implementing a strategy to protect environmental biodiversity

The business activities of the Colas Group are also strongly influenced by its strategy of biodiversity protection. Its main objectives are the development and promotion of ecological niches and the protection of specific animal species. All these activities are carried out in cooperation with the scientific community. An important part of this strategy is also awareness-raising among local residents and employees. This strategy applies to all Colas Group activities.

Insect houses in the Bystřice nad Perštejnem HAMP



WE SUPPORT OUR OWN RESEARCH & DEVELOPMENT

In France, we run a science and technology campus where we work on research and development of new processes and technologies.

In the Czech Republic, we have our own independent testing laboratory with expertise in the field of roads. Our laboratory activities focus on the testing of asphalt mixtures and binders, soils, aggregates, fresh and hardened concrete. We also carry out control tests of individual road structures, including the subgrade, and measurements of the surface properties of concrete and asphalt pavements.

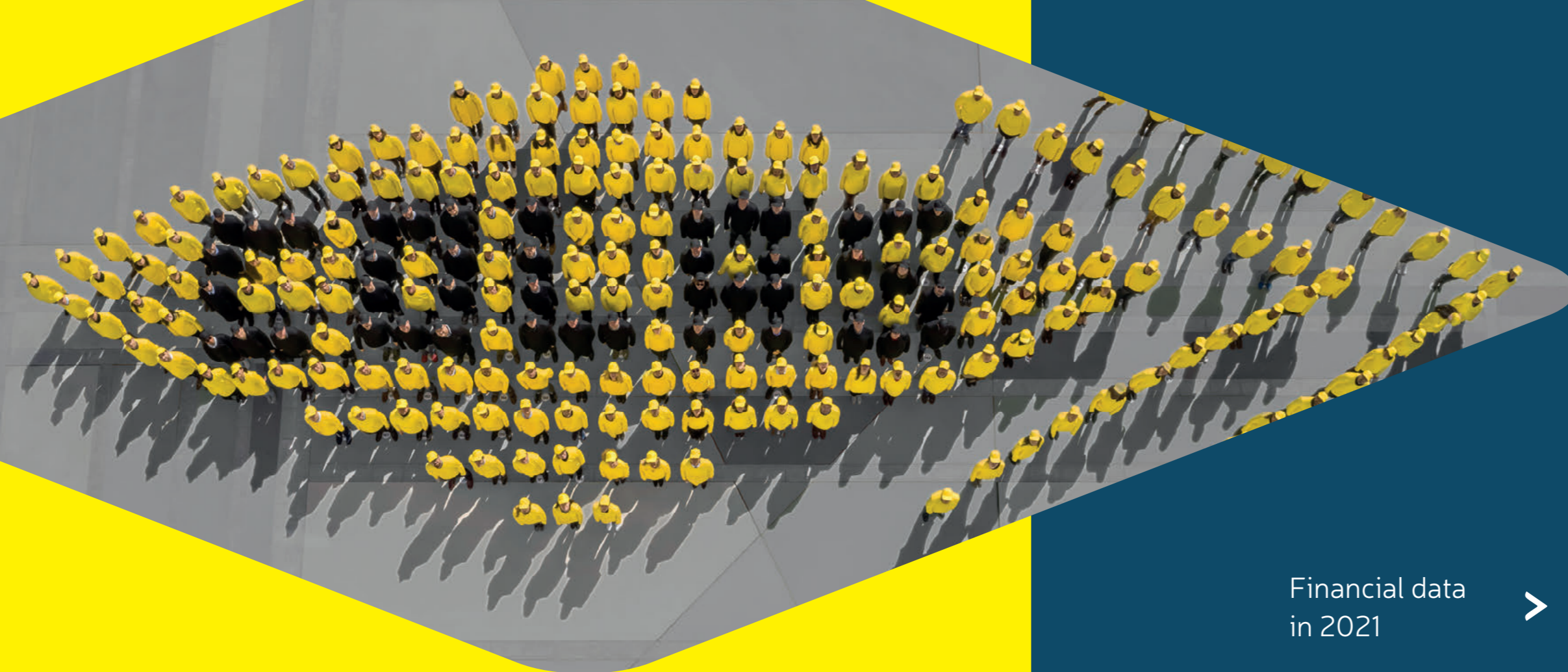
Science and technology campus in France



Gas chromatograph with mass spectrometer (GC/MS)

Laboratory in Jihlava





COLAS CZ IN FIGURES

TURNOVER



Financial data
in 2021



WORKFORCE



MANUFACTURING PLANTS

12 quarries

11 HAMPs
+1 manufacturing plant of
polymer-modified asphalt
ASTECH

1 manufacturing
plant of the
Medialine road
marking

14 laboratories

➤ **HIGH QUALITY**
SAFE
CONSIDERATE
COST-SAVING

The management system of COLAS CZ, a.s. is certified under the following standards:

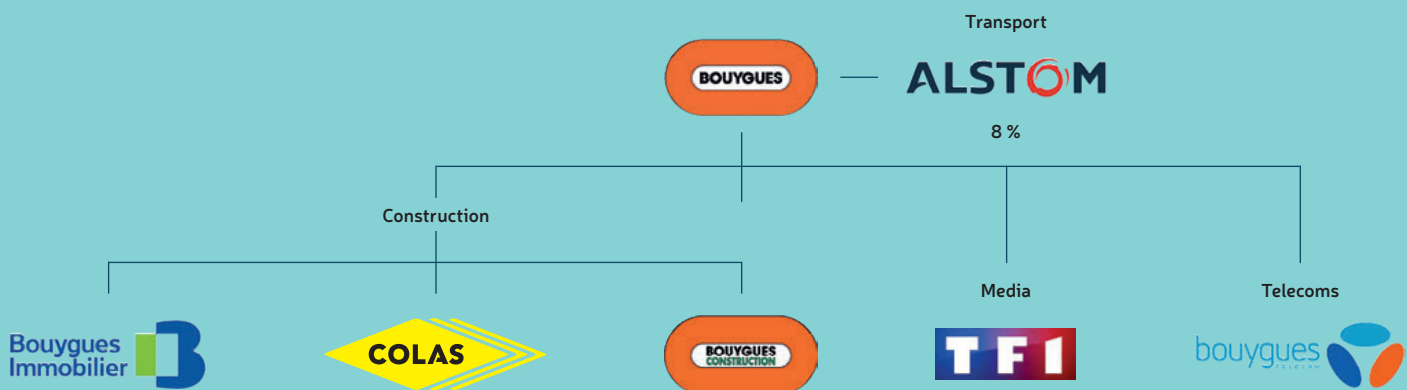
- ČSN EN ISO 9001:2016 (Quality)
- ČSN EN ISO 14001:2016 (Environment)
- ČSN ISO 45001:2018 (Safety)
- ČSN EN ISO 50001:2019 (Energy)



79.71%
Road and railway construction

11.55%
Sale of hot asphalt mixtures and
modified binders

8.74%
Sale of aggregates



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