How will we live in 20 years? What direction are science and technology taking? Which future technologies already exist? The Science Express exhibition, on tour in Germany since April, is dealing with these and many other questions. The 300-metre-long special train presents insights into the world of tomorrow. Twelve themed carriages explore different areas of research, life and work: from the search for the origins of our world and the technology taking? Which future technologies already exist? The Science Express exhibition train will visit more than 60 cities throughout Germany from April to November. Entrance to the exhibition is free.

The Science Express is a Pass-Station for the expedition pass of the Science Year 2009 – Research Expedition Germany. The science years are an initiative of the Federal Ministry of Education and Research and Wissenschaft im Dialog (Science in Dialogue). The Science Year 2009 – Research Expedition Germany has been organized jointly by the German Academy of Sciences Leopoldina, the Robert Bosch Stiftung and the Stifterverband für die Deutsche Wissenschaft.

THE FUTURE IN A TRAIN
MOBILE EXHIBITION TOURS GERMANY

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CARRIAGE 01 SCIENCE EXPRESS Cold War, forest decline, the oil crisis – Germany has had many challenges to face over the past 60 years. So what are the huge tasks that await us and all of humanity at the beginning of the 21st Century?

CARRIAGE 02 FROM WHERE + WHERE TO Our planet is just a speck of dust in a constantly expanding universe that contains billions of galaxies and countless other suns. What gave rise to the Universe and to humankind? Are there any more Earths?

CARRIAGE 03 BIO + NANO In the nanoworld, where measurements are taken in millions of millimetres, the boundaries between the biosciences and nanotechnology are becoming blurred. This enables not only highly accurate manufacturing processes but also fascinating insight into the language of our genes.

CARRIAGE 04 INFO + COGN We are the architects of our own fortune - the last carriage therefore needs you to be proactive. An interactive lab offers visitors the opportunity to experience science and technology at first hand and turns the spotlight on innovative technologies for important spheres of life.

CARRIAGE 05 NETWORKED + GLOBAL The world is moving closer and closer together, into gigantic networked communities that research and work jointly beyond continental boundaries. The Internet is most likely just the start of this process. But will we be able to deal with a fully networked world?

CARRIAGE 06 INTELLIGENT + VIRTUAL Intelligent materials have long ceased to be a distant dream. Many new substances created in laboratories are waiting for an application. But how does an idea become a product? What will the factories of the future look like?

CARRIAGE 07 EFFECTIVE + INDIVIDUAL Many diseases can be cured today, yet some continue to spread unchecked. Will the medical world of the future find an effective way of fighting these and perhaps even be able to stem the process of aging itself?

CARRIAGE 08 HEALTHY + PRODUCTIVE The world’s population is growing incessantly with three new inhabitants every second. How will we feed the eight billion people on Earth in the year 2025? The solution could lie not only in innovative cultivation methods, but also in the creation of entirely new foods.

CARRIAGE 09 SUSTAINABLE + EFFICIENT Centuries of unrestricted use of raw materials are drawing to a close. What will replace coal and oil? In the search for new sources of energy, we must face the question of how to supply our needs in the future without destroying the face of the Earth.

CARRIAGE 10 FLEXIBLE + DIGITAL Mankind has never been as mobile as it is today. An increasingly dense infrastructure encircles our planet. This calls for completely new traffic and vehicle concepts and is changing what we call ‘home’.

CARRIAGE 11 NATURAL + ARTIFICIAL The future of mankind has not yet been written. And yet it is already possible to identify trends and developments today that could shape the next 20 years. What are the new challenges that await us? And how will they change the image we have of ourselves?

CARRIAGE 12 DISCOVER + MARVEL We are the architects of our own fortune - the last carriage therefore needs you to be proactive. An interactive lab offers visitors the opportunity to experience science and technology at first hand and turns the spotlight on innovative technologies for important spheres of life.