



43RD TOKYO MOTOR SHOW

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Toyota welcomes you to the 43rd Tokyo Motor Show. Here we present a sneak peek at the most exciting and innovative new concept cars we'll be exhibiting this year. But most of all we hope you will drop by and visit us at the show. We want you to experience for yourself the many ways we are making cars fun to drive — for families, individuals ... even for taxi drivers — while relentlessly pushing the envelope of mobility and environmental technology.

Enjoy the show!

www.toyota-global.com/events/motor_show/

Tomorrow is a gas — hydrogen

Hydrogen is the fuel of the future ... and the future is here now. With the Toyota FCV Concept — slated for market version launch around 2015 — Toyota shows just how far fuel cell technology has come.

Hydrogen is the most common element in the universe. It is ultra-clean and efficient. Water is the only thing emitted by a fuel cell vehicle when it combines hydrogen with oxygen to generate electricity.

Water is also the theme for the FCV concept's styling. You can see it in the flowing lines and air intakes which symbolize "taking in air, emitting water." The rear view takes cues from an ocean-going catamaran. Even the fuel cap has a wave motif.

For this sedan, Toyota's latest proprietary small, lightweight FC Stack boasts 3kW/liter output density — more than twice that of the current SUV-mounted version. The key is Toyota's new high-efficiency boost converter, which raises voltage to permit downsizing of the motor and fewer FC cells. The result is enhanced performance at lower cost. With the new FC Stack and two 70 MPa high-pressure hydrogen tanks mounted under the sedan's body, the cabin accommodates four passengers in comfort.

Toyota FCV Concept is a four-seater sedan powered by Toyota's cutting-edge fuel-cell technology for high energy efficiency and extended cruising range. Large air intakes and flowing body lines symbolize the fuel cell's operating principle of generating electricity by taking in oxygen from the air and combining it with hydrogen, creating water as its only emission product.



Changing the urban landscape, one taxi at a time

Think of New York or London, and that city's iconic taxis come easily to mind. The JPN Taxi Concept was developed to change the urban landscape and the very nature of city streets. For excellent environmental performance, it runs on economical liquefied petroleum, using a new hybrid system optimized for taxi driving patterns.

The taxi's size assures maneuverability, while universal design principles create comfort and convenience for everyone — including children and seniors. Getting in and out is easy, thanks to the low floor, ideal seat height and large automatic sliding door. Seating can be quickly adjusted for wheelchair access.

Inside, passengers enjoy an atmosphere of hospitality. A large monitor shows the fare, route, and other useful information. Air conditioning and lighting are optimized for comfort.



A next generation taxi concept that reflects Japanese hospitality with its attention to barrier-free universal access complemented by a soothing cabin ambience, physical comfort, and convenience for passengers and driver



Fun to drive, heart-to-heart

Like a horse and rider moving effortlessly together, the Toyota FV2 creates heart-to-heart communication between driver and vehicle.

There is no steering wheel. Instead, the driver shifts his or her body to control the vehicle's direction. And just as horses naturally avoid running into objects or each other, the Toyota FV2 detects and helps circumvent potential danger, using ITS (Intelligent Transport System) technology.

The Toyota FV2 interprets the driver's mood through voice and image recognition, while learning about the driver's ability and route history. It becomes a friendly co-pilot who suggests destinations and enhances the joy of driving. In other words, the car and driver grow together — in trust, understanding and, dare we say it ... love.

This intuitive and mutual understanding between car and driver is made possible by innovations from the Toyota Heart Project. By expanding the scope of artificial intelligence to enable emotional communication, this project seeks to achieve a rapport between humans and machines — a necessity for humanoid communication robots such as Toyota's Kirobo and Mirata.

Visitors will get a chance to virtually experience the fascinating FV2 in two ways: by getting into the vehicle simulator and via exclusive smartphone apps for iPhone® and Android®.

* iPhone is a trademark of Apple Inc. Android is a trademark of Google Inc.



Besides an augmented reality display on the windshield, body colors and patterns change to reflect the driver's skill level and preferences

Minivans with maxi innovation that families will love

Everything families look for in a minivan — space, fun, utility and fuel economy — exceeds expectations in the Voxy Concept & Noah Concept. Available with a new 1.8-liter hybrid powertrain complementing the 2.0-liter gasoline engine, both are built for best-of-class fuel efficiency.

The Voxy & Noah concepts seat seven with class-leading interior roominess and new low floor for ease of ingress and egress. Ultra-long Captain Seats give second-row passengers front-seat levels of comfort. Reconfigurable seating handles a wide range of passenger-cargo combinations. Thin front pillars and a low hood enhance visibility of the road ahead.

While the Noah Concept exhibits sophisticated mainstream styling, Voxy's low-slung wide body and aero parts give it a more edgy, powerful presence.

Market versions are scheduled for Japan launch in early 2014.



Aerodynamic body lines add an edgy yet powerful aura to the Voxy Concept (gasoline engine model shown)



Noah Concept offers a refined look exemplifying sophisticated good taste (hybrid model shown)

Effortless agility for two

With this 3-wheel electric vehicle, two riders can enjoy motorcycle-like maneuverability and car-like stability in the comfort of a compact 850mm-long closed cabin.

For a stable ride and feeling of driver-vehicle unity, Toyota's innovative "active lean" system optimizes the Toyota i-Road's angle when turning by raising and lowering the wheels independently.

Toyota i-Road's precision electric powertrain technology delivers a quiet ride and produces zero emissions during operation. Cruising range on a single charge is approximately 50 kilometers (target distance at a fixed speed of 30km/h).



Roof and doors shield two riders from weather and noise to provide comfort and permit listening to music



The Toyota i-Road will play a key role in Toyota's experimental Harimo urban transit system, set to begin operation in Toyota City, Aichi Prefecture in 2014. It is also participating in an urban ultra-compact EV car-sharing project in Grenoble, France



Free as the wind

Feel the wind in your hair as you carve the curves of a mountain road — at one with nature and in sync with the powerful horizontally opposed boxer D-4S engine.

With its "flash red" body color — a custom paint job for the Tokyo Motor Show — the FT-86 Open concept is styled to pop onlookers' eyeballs as its driver pops open the electrically operated soft top. Based on the Toyota "86" rear-drive sports car, this study model explores future sports car variations.



Open top amplifies the exhilaration of race-car-like handling

Circuit-bred hybrid

What happens when Toyota's GAZOO Racing program gives the full sports tuning treatment to a compact hybrid? Meet the Aqua G Sports, a track-inspired take on Toyota's Aqua, the biggest (little) hybrid hit since the Prius.

With its sharp styling, re-tuned suspension and reinforced body, the Aqua G Sports combines circuit-bred looks and handling with a fuel-efficient hybrid powertrain.

Japan launch: late November 2013.

Designed to turn heads and take the turns with ease, the Aqua G Sports is a real hybrid thoroughbred



Smart Mobility City

Mobility is such an integral part of our daily lives, the functioning of society and global economic activity, that we tend to take it for granted. But mobility must evolve to meet the challenges of the future — by reducing the environmental burden, eliminating traffic fatalities and injuries, providing universal access and raising the quality of life in population-dense urban areas.

The answer is a "Smart Mobility City," which Toyota is helping realize through a variety of initiatives. Central to this vision is the creation of next-generation urban traffic systems that will support environment-friendly lifestyles through ride sharing, multi-modal optimized routing and "big data" applications.

For example, Cooperative ITS will detect pedestrians and help prevent collisions at intersections. Toyota's Harimo (Harmonious Mobility Network) project, in Toyota City, Aichi Prefecture, Japan, encompasses ride sharing via electric mobility sharing stations where people can borrow a Toyota i-Road, a power-assisted bicycle, or other small electric vehicle. Big Data Travel Information Services is a system that will collect information from millions of Toyota vehicles equipped with next-generation telematics to benefit everyday driving convenience and help manage emergency situations. In addition, energy management applications such as the vehicle-to-home (V2H) system will be able to supply electric power to households from the Prius plug-in-hybrid during power shortages.

Smart Mobility Park



Demonstrating its commitment to to redefine luxury, Lexus brings you an unforgettable experience of continuous exhilaration through a unique synergy of awe-inspiring style, innovative technology and user-friendly design

Accelerated development

From its wide stance and low-to-the-ground silhouette to its iconic Lexus head- and tail-lights, the Lexus RC says "world-class luxury sports coupe."

Equipped with a 3.5-liter gasoline engine or environmentally-considerate 2.5-liter hybrid powertrain, the Lexus RC promises to get the adrenalin pumping with ultra-responsive acceleration.

Distinctive exterior styling features dynamic contours and sculpted surfaces that evoke spirited sports performance. L-shaped rear combination lamps and headlights are inspired by the limited-edition Lexus LFA and exotic Lexus LF-LC concept sports models.

Inside, the cockpit will delight sports car purists with its horizontally accented instrument panel, crafted to bring car and driver into harmonious unity. The seats are formed with a new integrated foaming process to hug the driver's body just as the car hugs the road.

Four-seater Lexus RC sports coupe production prototype epitomizes the engaging and exhilarating driving experience that puts Lexus in a class of its own



Crossover into turbo territory

Aimed at the next generation of Lexus owners, the LF-NX concept is a compact luxury crossover with lean yet muscular lines and a bold personality conveying powerful SUV performance and driving exhilaration.

This LF-NX concept is mounted with a newly developed 2.0-liter turbo engine which delivers pulse-quickening response balanced by fuel-efficient performance that reduces the environmental burden.

A forceful presence with its aggressively streamlined body, the LF-NX has a low center of gravity emphasized by its wide stance and front lip spoiler. Signature Lexus design elements include mesh pattern spindle grille and L-shaped clearance lamps independent from the headlamps.

Sculpted sporty SUV styling on the outside is matched by cutting edge design on the inside, communicating Lexus hospitality with a new intuitive remote touch interface. Seating appointments are upholstered in fine leather with contrast stitching, while the instrument panel features sophisticated red illumination around the meter displays.

World premiere of new 2.0-liter turbocharged version of the Lexus LF-NX, designed for outstanding environmental and driving performance. A 2.5-liter hybrid version of the LF-NX made its debut at the Frankfurt Motor Show earlier this year