

## Business Activity Focus Updates to the S&P Kensho New Economy Indices

**NEW YORK, MAY 8, 2019:** S&P Dow Jones Indices (“S&P DJI”) announces the following business activity focus updates to the S&P Kensho New Economy Indices. These updated business activity focuses will be used for the 2019 index reconstitutions.

Business Activity Focus		
Index	Previous	Updated
S&P Kensho Electric Vehicles Index	<p>Companies focused on producing electric vehicles and associated subsystems, including:</p> <ul style="list-style-type: none"> <li>• Electric road vehicles or significant subsystems.</li> <li>• Powertrain systems, motors, or energy storage systems for electric vehicles.</li> <li>• Zero-emission clean fuel technology, such as hydrogen fuel cells, and charging infrastructure.</li> </ul>	<p>Companies focused on producing electric vehicles and associated subsystems, including:</p> <ul style="list-style-type: none"> <li>• Electric road vehicles or significant subsystems.</li> <li>• Powertrain systems, motors, or energy storage systems for electric vehicles.</li> <li>• Zero-emission clean fuel technology, such as hydrogen fuel cells.</li> <li>• Charging systems for electric vehicles, not including charging networks or associated infrastructure.</li> </ul>
S&P Kensho Advanced Transport Systems Index	<p>Companies focused on optimizing the efficiency of managing large fleets of vehicles, cargo transportation, and mass transit, including:</p> <ul style="list-style-type: none"> <li>• Systems that manage the intelligent coordination or optimization of fleets of vehicles for the transport of passengers and/or goods, including the centralized communication and management of these fleets.</li> <li>• Vehicle sharing services for passenger cars.</li> <li>• Sensors that feed into the above-mentioned systems.</li> <li>• Micro mobility sharing platforms, including platforms for electric scooters and bicycles.</li> </ul>	<p>Companies focused on optimizing the efficiency of managing large fleets of vehicles, cargo transportation, and mass transit, including:</p> <ul style="list-style-type: none"> <li>• Systems that manage the intelligent coordination or optimization of fleets of vehicles for the transport of passengers and/or goods, including the centralized communication and management of these fleets.</li> <li>• Vehicle sharing services for passenger cars.</li> <li>• Sensors that feed into the above-mentioned systems.</li> <li>• Micro mobility sharing platforms, including platforms for electric scooters and bicycles.</li> <li>• Next generation transportation systems, such as Hyperloop.</li> </ul>
S&P Kensho Wearables Index	<p>Companies focused on wearable and implantable technologies for consumer, military, and medical uses, including:</p> <ul style="list-style-type: none"> <li>• Wearable computing devices, such as smart watches, smart glasses, fabrics with embedded sensors, etc.</li> <li>• Medical systems for drug delivery, bio-sensing, etc.</li> <li>• Military devices.</li> <li>• Exoskeletons.</li> <li>• Haptic or force feedback devices.</li> <li>• Wearable or implantable mind-machine devices or sensors, such as EEG headwear, microchips, deep brain stimulation, etc.</li> </ul>	<p>Companies focused on wearable and implantable technologies for consumer, military, and medical uses, including:</p> <ul style="list-style-type: none"> <li>• Wearable computing devices, such as smart watches, smart glasses, fabrics with embedded sensors, etc.</li> <li>• Medical systems for drug delivery, bio-sensing, etc.</li> <li>• Exoskeletons.</li> <li>• Haptic or force feedback devices.</li> <li>• Wearable or implantable mind-machine devices or sensors, such as EEG headwear, microchips, deep brain stimulation, etc.</li> <li>• Wearable connectivity and wearable technology that is integrated with the IoT.</li> <li>• Wearable energy/power generation and harvesting technologies.</li> </ul>

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S&P Kensho Autonomous Vehicles Index	<p>Companies focused on autonomous and connected vehicles, including:</p> <ul style="list-style-type: none"> <li>• The manufacture of autonomous and connected vehicles.</li> <li>• Software and components that facilitate full or partial autonomy, including interfacing with other autonomous vehicles or infrastructure.</li> <li>• Active driver assistance systems or autonomous safety overrides (e.g. automatic braking).</li> <li>• Sensors (e.g. distance measurement, cameras, etc.) that are used for object and collision detection systems, such as traffic sign or pedestrian recognition.</li> <li>• Navigation and infotainment systems that enhance a vehicle's autonomy.</li> </ul>	<p>Companies focused on autonomous vehicles and related capabilities, including:</p> <ul style="list-style-type: none"> <li>• The manufacture of autonomous vehicles and related connectivity capabilities.</li> <li>• Software and components that facilitate full or partial autonomy, including interfacing with other autonomous vehicles or infrastructure.</li> <li>• Active driver assistance systems or autonomous safety overrides (e.g. automatic braking).</li> <li>• Sensors (e.g. distance measurement, cameras, etc.) that are used for object and collision detection systems, such as traffic sign or pedestrian recognition.</li> <li>• Navigation and information systems that enhance a vehicle's autonomy.</li> </ul>
S&P Kensho Cyber Security Index	<p>Companies focused on protecting enterprises and devices from unauthorized access via electronic means, including:</p> <ul style="list-style-type: none"> <li>• Cyber-attack threat detection, response or prevention systems.</li> <li>• Cyber-threat intelligence systems utilizing big data analytics, IOT technology, or machine learning.</li> <li>• Network and internet security systems such as firewalls and DNS, DOS and DDoS protection</li> <li>• Authentication, multi-factor authentication, and identity management systems.</li> <li>• Application security, data security, encryption and protection.</li> </ul>	<p>Companies focused on protecting enterprises and devices from unauthorized access via electronic means, including:</p> <ul style="list-style-type: none"> <li>• Cyber-attack threat detection, response or prevention systems.</li> <li>• Cyber-threat intelligence systems utilizing big data analytics, IOT technology, or machine learning.</li> <li>• Network and internet security systems such as firewalls and DNS, DOS and DDoS protection</li> <li>• Authentication, multi-factor authentication, and identity management systems for cyber security purposes.</li> <li>• Application security, data security, encryption and protection for cyber security purposes.</li> </ul>
S&P Kensho Smart Grids Index	<p>Companies focused on power, water, and transportation infrastructure, including:</p> <ul style="list-style-type: none"> <li>• Efficient management and use of energy and water by providing advanced monitoring, measurement, and distribution solutions.</li> <li>• Improved grid reliability through outage detection and control, including advanced monitoring, measurement, and distribution solutions.</li> <li>• Advanced water treatment and conditioning systems.</li> <li>• Next-generation transportation infrastructure, such as advanced traffic management and tracking; sensors and information infrastructure for vehicle navigation and communication; and automated fare collection.</li> <li>• Advanced city infrastructure such as connected lighting solutions.</li> </ul>	<p>Companies focused on power, water, and transportation infrastructure, including:</p> <ul style="list-style-type: none"> <li>• Efficient management and use of energy and water by providing advanced monitoring, measurement, and distribution solutions.</li> <li>• Improved grid reliability through outage detection and control, including advanced monitoring, measurement, and distribution solutions.</li> <li>• Advanced water treatment and conditioning systems.</li> <li>• Next-generation transportation infrastructure, such as advanced traffic management and tracking; sensors and information infrastructure for vehicle navigation and communication; and automated fare collection.</li> <li>• Advanced city infrastructure such as connected lighting solutions.</li> <li>• Technology that enables electric vehicle recharging infrastructure platforms and networks.</li> </ul>

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S&P Kensho Space Index	<p>Companies focused on space travel and exploration, including:</p> <ul style="list-style-type: none"> <li>• Spacecraft, space launch vehicles, space flight, or space stations and related components and services.</li> <li>• Space mission assurance, operation, or support.</li> <li>• Space imaging.</li> <li>• Space communication, excluding satellite-to-satellite communication.</li> <li>• Space or ground based support infrastructure.</li> <li>• Space-related military armaments and capabilities.</li> <li>• Small satellite hardware and software manufacturers.</li> </ul>	<p>Companies focused on space travel and exploration, including:</p> <ul style="list-style-type: none"> <li>• Spacecraft, space launch vehicles, space flight, or space stations and related components and services.</li> <li>• Space mission assurance, operation, or support.</li> <li>• Space imaging.</li> <li>• Space communication, excluding satellite-to-satellite communication.</li> <li>• Space or ground based support infrastructure.</li> <li>• Space-related military armaments and capabilities.</li> <li>• Small satellite hardware and software manufacturers including those involved with IoT satellites.</li> <li>• Space tourism.</li> <li>• Asteroid mining and resource extraction.</li> <li>• Space debris tracking and removal.</li> </ul>
S&P Kensho Enterprise Collaboration Index	<p>Companies focused on enterprise collaboration frameworks, including:</p> <ul style="list-style-type: none"> <li>• Framework collaboration platforms, which allow companies to integrate messaging, third-party application integration, scheduling, documents and search into a combined system with minimal infrastructure development.</li> <li>• Cloud communication platforms or communication platforms as a service (“CPaaS”) that enable businesses to add real-time communications features (voice, video, and messaging) in their own applications/website without needing to build backend infrastructure.</li> <li>• Significant infrastructure or subsystems that allow end users to run their own enterprise collaboration tools</li> </ul>	<p>Companies focused on enterprise collaboration frameworks, including:</p> <ul style="list-style-type: none"> <li>• Extensible enterprise collaboration frameworks providing integrated messaging, video, content sharing, and third-party application / bot integration.</li> <li>• Cloud communication platforms or communication platforms as a service (“CPaaS”) that enable businesses to add real-time communications features (voice, video, and messaging) in their own applications/website without needing to build backend infrastructure.</li> <li>• Next generation enterprise collaboration solutions spanning all platforms, including mobile and VR/AR capabilities.</li> </ul>

The 2019 reconstitution of these indices will become effective prior to the market open on Thursday, May 16, 2019.

Please note that the index methodology on S&P DJI’s website is being updated to reflect these changes.

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