The Kymera™ XTreme (XT) hybrid drill bit combines advanced engineering, customized application guidelines and the industry’s most advanced hybrid bit designs to deliver better drilling runs than were ever possible before. Building upon the success of prior hybrid technology, the Kymera XT drill bit delivers smooth, reliable, faster and more durable drilling performance in both vertical and curve drilling applications. It also delivers superior tool-face control in difficult drilling environments including challenging carbonates and interbedded formations where drilling speed and durability are often pushed to their limits.

The Kymera XT hybrid drill bit’s roller cones and blades are engineered not only to perform their individual functions, but to complement and enhance each other to help define a new benchmark in drill bit performance. With more than 70 unique designs and 13 different bit sizes ranging from 8½ in. (222 mm) to 26 in. (660 mm), Baker Hughes can provide a customized drill bit for each specific application. And, because the dynamics of the roller cones and blades are optimally balanced, the Kymera XT bit is significantly more durable, drilling further at higher ROP, lowering drilling costs.

Faster drilling
It crushes rock even more aggressively and the balanced-dynamic design of the Kymera XT hybrid drill bit minimizes stick-slip, vibration, and requires less energy to remove rock.

Recently, a Kymera XT hybrid drill bit delivered the fastest run and lowest cost-per-foot for a challenging deep gas well in the Middle East.
Potential risk of losses in very hard abrasive formations existed in the vertical section so high bentonite mud was used to mitigate this risk. Traditional roller cones performance delivered slower than desired rates of penetration. The Kymera XT bit completely changed the drilling program by replacing two bits, eliminating a bit trip, and drilling the complete section, shoe-to-shoe, in one run to improve ROP 173% and reduce cost-per-foot by 7%.

Extreme durability
The Kymera XT hybrid bit combines the control of a tricone bit with the speed of a PDC bit and, in many cases, is more durable than either. The in-gauge design extends bit life and facilitates longer drilling distances—often completing lengthy, one-run sections. The bit’s wear-resistant cutters are designed to deliver improved ROP and enhance performance in “dull” condition. The result: a bit faster than previous hybrid designs.

In Kuwait, a Kymera XT hybrid drill bit demonstrated that durability by drilling 4,600 ft. (1400 m) of limestone, sandstone, and shale in one run—replacing tungsten carbide insert bits while improving ROP by 107% in this section. This durable bit’s performance was repeated in nearby wells—delivering smoother torque fluctuations, mitigating downhole dysfunctions, and improving borehole quality.

Improved efficiency
The Kymera XT hybrid drill bit offers an optimized torque response for excellent tool face control and smoother drilling. It can also effectively and efficiently maintain verticality when needed and still deliver high BUR capability when required for maximizing pay zone access—making it a highly efficient solution for drilling both the vertical and curve. Finally, the bit effectively mitigates and minimizes downhole drilling dysfunctions for smooth, efficient drilling with minimal energy waste.

Contact your Baker Hughes representative today or visit bakerhughes.com/KymeraXT to learn more about how the Kymera XTXtreme hybrid drill bit can lower your drilling costs with smooth, consistent, and faster—and more durable—performance.