ATKINS

Energy efficiency: Engineering smart cities of the future

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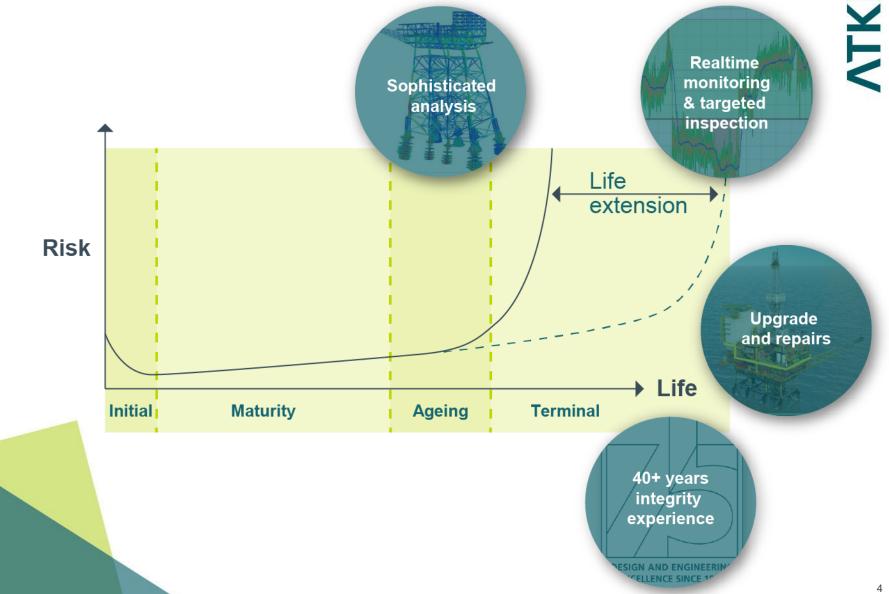




The grand challenge



Efficiency through life extension



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External lighting 35% reduction on existing

systems

Building performance

Cooling and ventilation – Upgrade or replace chillers, replace pumps fans motors and drives: 20-30% saving on existing systems Boilers - Replace and install or update controls: 30% saving compared to existing systems Lighting and controls: Replacement 40% saving on existing Options on systems Building fabric and improved insulation BMS: Install new or upgrade and AMR - Use to recommission verify savings and identify

new issues or opportunities quickly

Vision



Partnerships



Technology, tools and techniques



The journey towards smart cities...

Vision
Partnerships
Technology.

