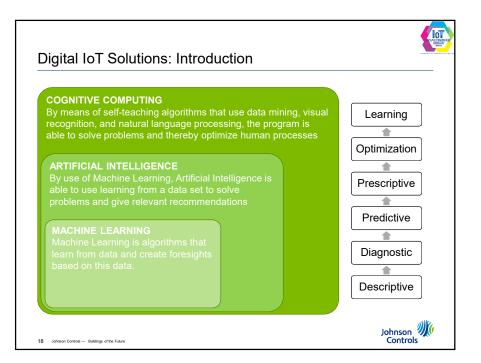


Digital technologies create better smart building outcomes and enable better commercial missions Ì 2 \checkmark ~ Ω = Safe & Secure environment Sustainability in Operations Smart Services Workplace Innovations Use of surveillance programs Integrated onboarding Active connected Improve usage of energy Integrated facility management resources, equipment and plant room through connectivity, optimization routines and embedded to proactively monitor threats convines program infrastructure driving and trigger security protocols comfortable and healthy Integrated parking and other specialty services Personalized space control for comfort and security operating environments for all occupants Integrated risk management in case of active threats intelligence Integrated notification and Indoor health programs and Responsive to changing Data analytics on video feeds, fire and other alarms to identify critical problems Optimization of built environment on runtime based on usage, weather, and HVAC nonitoring guidance services during active needs based on use, occupancy, weather threats Kiosks and other visual aids for live information feeds including Smart scheduling of classrooms, research, lab and Embedded intelligence to react based on schedules, data weather, travel, security and Prediction based controls and key events recreation spaces learning models and on demand needs maintenance Virtual access and feeds for offsite or international Responsible waste management participants Johnson 💓 16 Johnson Controls — Buildings of the Future Controls

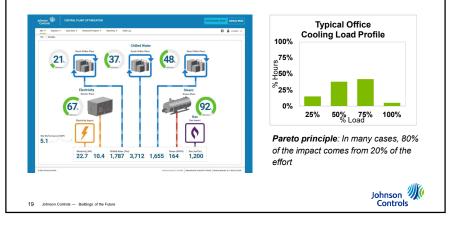
BUILDING SYSTEMS	SMART SYSTEMS	SYSTEM C	DF SYSTEMS	AI & DATA DRIVEN EXPERIENCE MANAGEMENT
Legacy Individual Systems	Smart Individual Systems	Interconnected Systems	Converged Systems	Smart Enterprises & Smart Cities
Stand-alone Reactive response to problems Minimal analytics	 Equipment optimization & analytics More predictive operations and service 	 Integration across building systems Mission- based applications 	 Multi-system design and configuration Common/sha red parts of the technology stack 	 Ambient Intelligent for space, asset and people Personalized experience Share data across enterprise applications
Yesterday's world still predominates today	But individual Smart Systems are increasingly common	Interconnection is achieved on a project by project basis	Converged systems are clearly the future	Efforts to go beyond this level are nascent

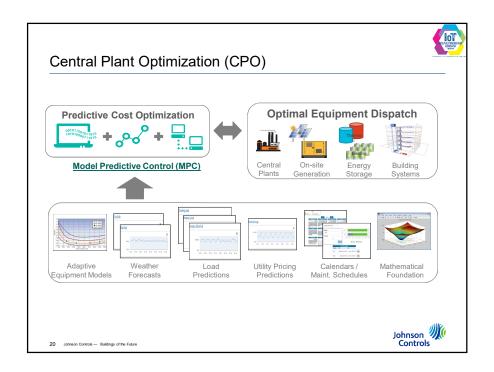


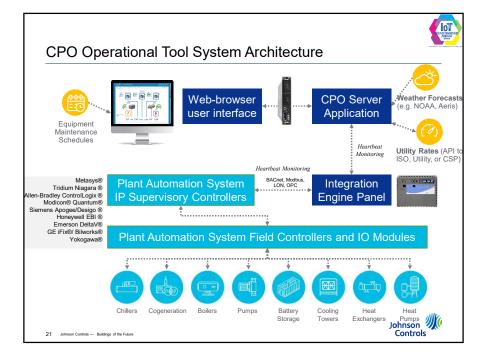
Central Plant Optimization (CPO)

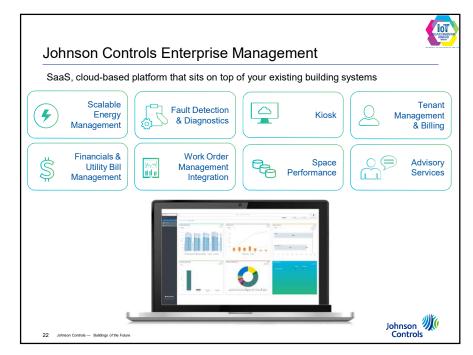
 Central plants are typically designed for peak demand, with conservative assumptions

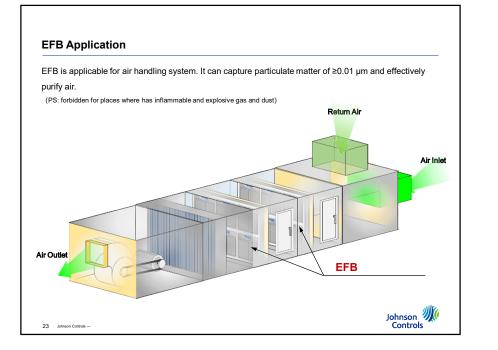
- Peak cooling capacity is needed for only a few hours per year
- Most operating hours are light to medium load, off-design conditions

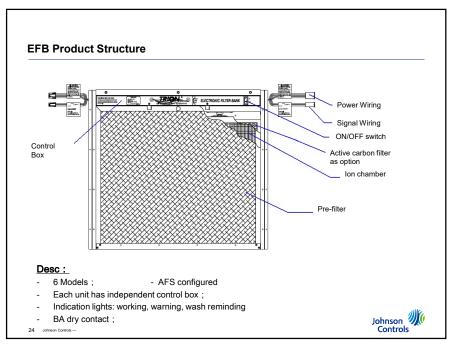




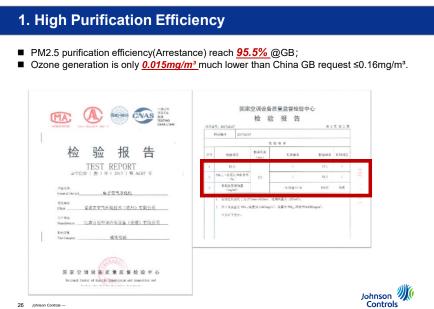












1. High Purification Efficiency(look look)

Wider purify range & Better sterilization

2. Energy Saving Much Low Pressure Drop ■ Solid-state self-regulating power Pressure drop @2.5m/s is only 17.1Pa which Solid-state self-regulating power can monitor is test in 3rd lab. ambient T, H and blocking situation to smart Energy Saving and cost saving for air conditioning system. regulate power output to ensure efficiency and 国家空调设备质量监督检验中心 stability. 检验报告 215 825 但当城号: 3017AG8 中品处于 2015AC67 检验结果 输行天进 103446.4 (9.2k.0) E 15262 1521 153 7 祖力 Pre-filter Protection ANNOUNCE Sugar 8.015 DB 11.2740-0.16 1. 专物进入由民主为 275mm-502mm, 拉利风景为 023m³4。 Configured with pre-filter to primary filter large 2. 第2·34社堂台 THALIR 先为LAST 1942, 说里示 PHLIR 及为LASHingm particulate to protect EFB, ensure efficiency, 水果以下空白。 reduce the wash frequency and longer its life span Johnson 💓 28 Johnson Controls -Controls

3. Safe and Reliability

Reliable Insulation lon box use ceramic block as insulation protection to avoid spiking.



Safety design AFS is equipped to synchronize with the unit for energy saving and protection.

Safety switch can cut off power when checking and maintenance to protect people.

29 Johnson Controls

 Robust design of Ion box
 Aviation aluminum-alloy oute

٠

frame, subject to polishing treatment which is more anticrossion and durable;

Optimized design for dust-collecting plate to reach high purification efficiency, clogging capacity but low pressure drop; lon wire material has much strong tenacity and robustness, much durable and not easy broken.

> Johnson 💭 Controls

4. Easy install & Maintaninance

 Multi type design
 2 types, 6 basic models can meet any selection and different needs Modularity design EFB is Modular designed. Much flexible for selection, arrangement and installation according to customer needa

Johnson 💓

Controls





30 Johnson Controls —

5. Control System

31 Johnson Controls -

Performance indication There are indication signals for running, failure alarm and cleaning alarm, so that customer can monitor it and wash it in time.

BA connectivity
 Building remote monitoring BA communication interface is available.

Johnson Controls