We are helping make buildings more efficient at the time of construction

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what is CodeCycle?

Current prototype – Title 24 2013 Commercial Lighting Standards
2 Interfaces: Online design assistance tool; iPad inspection application
Driven by a computational logic engine behind the scenes

Full build – All of Title 24, Part 6; ASHRAE 90.1; IECC
Commercial and Residential New Construction
Major Renovations, Alterations, Additions, Retrofits

CodeCycle is not a digital checklist; it provides building specific guidance.
Eventually, there will be no paper forms.
as-designed energy = as-built energy?

Without a digital chain of custody, whether a building is constructed to meet its energy target is unknown.

design
Design teams use compliance software for performance modeling. But, assuring compliance with the mandatory components – arguably the most important provisions – is still largely a paper-based process.

construction
Building departments and contractors are overwhelmed by forms; there is no way to determine that as-designed targets are met throughout construction.
solution: analytics and integration

CodeCycle can save **15%** per building by transforming code compliance into a **fully digital process**.

Such complex, important regulations demand a **building specific approach** to be successfully managed by the design & construction community.

design
CodeCycle’s web interface helps architects and engineers design buildings that meet energy code requirements, **from the first steps of the design process**.

construction
CodeCycle’s mobile platform provides building specific guidance for the construction team. Inspectors receive **prioritized questions** clearly mapped within a building’s plan drawing.
testing and feedback

BayREN fall 2015 demonstration of CodeCycle

in two months, we have analyzed 32 commercial buildings in five Bay Area jurisdictions
over 400,000 ft² has been processed
preliminary results reveal savings of ~10% on commercial lighting

“I think we would absolutely spend more time enforcing the code if we had this tool.”
- a building inspector testing CodeCycle

“Since this process is normally removed from the visual plane, nobody really knows how the Title 24 consultant arrived at their conclusions. Software like this will help clear up the endless confusion between plan checkers, architects and energy consultants. It is very hard to hide mistakes this way.”
- a senior plan checker testing CodeCycle