



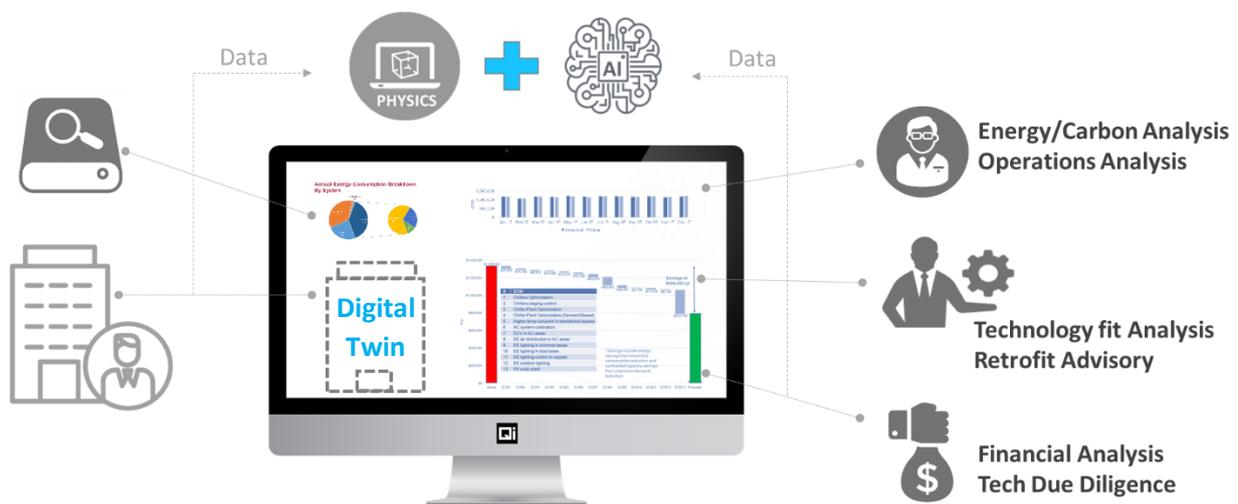
Green Assessment-as-a-Service

for

**Solution Providers
& Resellers**

What is BtrLyf?

BtrLyf (pronounced as 'better life') is a green 'assessment-as-a-service' platform that adds unprecedented value to assessment, analysis, and diagnostics of building performance through digitalization. The AI-powered building simulation engine of BtrLyf has been developed through several years of Research & Development by Qi Square, a spin-off company of the Nanyang technological University (NTU), Singapore. The platform aggregates multiple sources of building data, including open-source information, design data, standards, API linked data from third party providers, and user entered data to create useful 'digital assets' or 'digital twins'. This data is then processed through physics-based simulation and machine-learning based analytics engines to deliver building specific as well as city-wide aggregate insights to improve performance of buildings. BtrLyf can be accessed by the building industry stakeholders through an easy-to-use and convenient cloud platform that is able to deliver instant assessment and solutions-matching at a very low subscription cost for any user. The resultant impact includes reduced transaction time, marketing costs, sales cycles, investment risk and improved productivity of business process by up to 10x. In short, *BtrLyf is a green building market platform that helps accelerate sustainable development through digitalisation.*



What problems does it solve?

Buildings consume 40% of energy and contribute to 30% of carbon emissions globally. Building Owners can save 30% to 40% in operating costs through proven green retrofit measures with an average IRR > 25%. However, building industry players do not have the tools to easily identify and quantify energy saving opportunities, evaluate the latest technological solutions and access financing options. The lack of effective data accessibility and exchange inhibits the growth of the industry. This in turn severely prohibits timely deployment of successful decarbonization strategies that are urgently required to mitigate and limit climate change and global warming impacts.

Value Proposition for the Building Industry

Btrlyf gets the industry to work together on green building assessment with better data exchange for enhanced productivity and continuous improvements. In effect, it can provide a consistent and systematic data access for the industry stakeholders by creating a common data environment of asset information, design standards, operational

and technology parameters, as well as financial information. This information can be securely and yet easily accessed by the relevant stakeholders of a building performance improvement project or at an aggregate level by industry stakeholders in general. In effect it creates a 'virtual working/meeting table' for multi-faceted green assessment.



The digitalisation of building and technology datasets in BtrLyf, helps to achieve the following:

- i. Eliminates the need for expensive middlepersons for effective deal execution
- ii. Allows for Do-it-Yourself technical analysis without the need for technical skills
- iii. Prevents duplication of efforts that are common in the industry due to lack of relevant data
- iv. Avoids any travel or reduces physical touchpoints by providing secure remote digital access
- v. Provides low-cost and instant assessment performance assessment and solution fit analysis
- vi. Offers continuous performance upgrade and business development opportunities
- vii. Provides a technically sound, validated, and neutral green assessment
- viii. Takes advantage of open-source data and connected data from 3rd party APIs
- ix. Integrates with different data sources and conducts a comprehensive assessment
- x. Does not require any special equipment or meters installation, just an internet connected device

Features & Benefits for Solution Providers & Resellers

The best technical sales tool used by solution providers and resellers is 'case studies' of other projects that have benefited from their solution. The quantification of benefits for the proposed new project are mostly done only after the project is secured or an initial agreement is reached with the potential buyer. This quantification is done with the help of qualified internal technical staff or third-party experts, which increases the cost and time of the sales cycle. BtrLyf provides an easy-to-use digital assessment tool that can be used by anyone with basic computer skills such as using the computer keyboard, mouse, and internet (which is practically any member of the modern workforce or even students and interns)!

BtrLyf is an effective automated technical sales tool!

BtrLyf AI Green Assessor is an instant building performance estimator based on sourced and user added data. It delivers an “auto” generated and interactive advisory for improving the building performance by listing a mix of solutions that can be applied in short, medium, and long term. Solution providers can add their specific products into the platform to allow for exact product matching to user needs.

Once a specific solution or product is added to the BtrLyf AI Green Assessor, its ready for analysis on thousands of buildings in the city. The best part is that the solution provider or reseller need not do the analysis themselves all the time. It will be done by any consultant, engineer, building owner/manager, student, professor, regulator or even financier who has some interest in green buildings in the city. This is a powerful business proposition for solution providers and resellers to get an edge over the competition in a rapidly digitalizing world. It not only saves time and effort on qualification and quantification of their products to prospective buyers, but it also helps build the brand.



02-03-2021

Pending

23.54%

Savings Potential

5,422,261.92\$

Investment

7 Yrs

Simple Payback

Submit to Owner

Save

Manual Simulate

ATTRIBUTE	CURRENT VALUE	SUGGESTED VALUE	MORE DETAILS
Insulation	Solid Dense Concrete Blocks Plaster	Perlite Plastering	Connect to Technology Suppliers
Glazing	Double glazed plain	Tinted film - Tinted Blue	Connect to Technology Suppliers
Roof Coating	Dark Grey cement finish	Bright white finish	Connect to Technology Suppliers
Light Type	CFL	LED Basic	Connect to Technology Suppliers
Light Control	-	Occupancy sensor	Connect to Technology Suppliers
AC efficiency upgrade	6.10	7	Connect to Technology Suppliers
AC retrofit	-	VFD airside	Connect to Technology Suppliers
Lift Retrofit	-	Regenerative braking	Connect to Technology Suppliers
Renewable Energy KWp	0	164.29	Connect to Technology Suppliers

Be part of this solution list that is instantly generated for any green building in the city