

Transformational Change for Building Automation

Monday, Jan. 25, 9:00 am



*“The possible is presently impossible
without transformative change”*

Jim Sinopoli, Brad White and Ken Sinclair discuss trends and directions that helping us all define the transformational change we all need to make

This is our 17th year of these education sessions

- We thank AHRExpo for providing us the Venue to host
- We all were at the Control Trend Awards last night and...
- Control Trends Industry Service Award for 86 years of amazing AHRExpo
- The future is falling on us fast but we must be the force that provides linkage to the past and more importantly to the existing.
- Only we as an industry have the skill and knowledge; this is not an IoT thing, this is us.
- We need to not be overwhelmed by the transformation occurring in our industry but to be the stabilizing force of reason in the transformation.

December Our AHRExpo 2016 Preview

Very pleased to be doing our 17th year of Free Education Sessions at AHRExpo 2016 in Orlando. Pleased to be joined by several industry experts to help us all better understand the change upon us. Our education theme is Transformational Change for Building Automation. Our last few issues and this issue speak well to the "the possible of connected buildings"

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"Transformational Change for Building Automation" - Our AHR Expo 2016 Preview issue Very pleased to be doing our 17th year of Free Education Sessions at AHR Expo 2016 in Orlando. Pleased to be joined by several industry experts to help us all better understand the change upon us.



In Search of a Brain for Buildings ...it's only a matter of time before someone creates the self-learning software brain that the self-driving building requires. Brad White



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Jim Sinopoli Going Global The first Global Building Automation Summit recently took place over two days in Berlin, Germany.



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Smart Building Integrators Should Celebrate the End of Net Metering The engineering is now unconstrained by artificial limits of technology choices driven by the need of grid operators to limit technology options.



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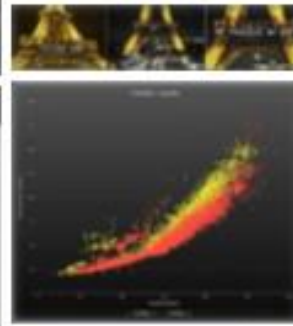


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January Our Role in the Transformation



Web Based Control Systems
The Devil
is in the Details





Building Integrated Photovoltaic Transforming Buildings

- Design and construct with materials and products that incorporate photovoltaics (PV) and are simply components of the building



BIPV EXAMPLE



Innovative BIPV Products

- Walkable PV Floors
- Transparent or Colored PV Windows
- Outdoor Benches And Tables
- Solar-powered Concrete.



Building Integrated Photovoltaics

- Innovative
- Disruptive for the traditional design and construction industry
- WBDG suggests a “solar electric architecture”. Requires re-educating and training of engineers, architects and contractors



Major BIPV Components

- Roofing Systems
- Tiles
- Shingles
- Standing Seam Products
For Steel Roofs
- Skylights
- Façade
- Curtain walls
- Spandrel panels
- Glazing

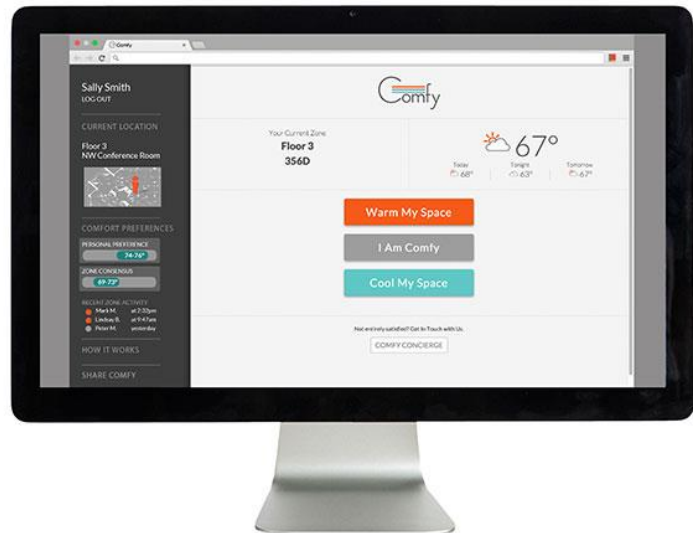
HVAC by Engineers

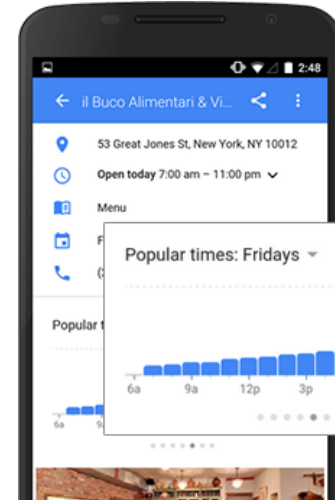


vs.



HVAC by Behavioural Experts





TransLink BC
@TransLink

TransLink BC

@TransLink
Greater Vancouver's transportation agency, we tweet all things public transport, including service updates, tips and info!

HQ - New Westminster, BC
translink.ca
joined July 2009

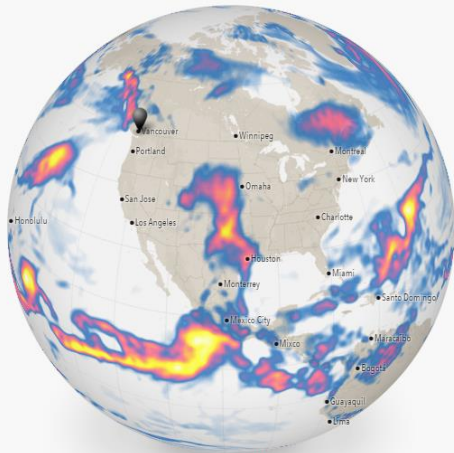
14 Photos and videos



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Tweets Tweets & replies Photos & videos

- TransLink BC** @TransLink · 2m
@SamanthaLWilson What is the stop ID number that you are at*jd
View conversation
- TransLink BC** @TransLink · 6m
@mwrcook I checked and there are no problems with the buses due at 9:16 & 9:25, could be an issue with the GPS, will forward info 6jd
View conversation
- TransLink BC** @TransLink · 9m
@pbucci You're welcome.*jd
View conversation
- TransLink BC** @TransLink · 14m
#TransitAlert 5 Robson/5 Downtown N6 Downtown detour tonight 6pm until end of service. Details here: ow.ly/TDFSP *RR
View conversation
- TransLink BC** @TransLink · 18m
@claricekwok Sorry that happened, here is a link to file details ow.ly/TJ1dT, was the bus full?*jd
View conversation
- TransLink BC** @TransLink · 26m
@christne_dvc Sorry that you were late for class, here is a link to file details ow.ly/TIZZW *jd
View conversation
- TransLink BC** @TransLink · 27m
@shaffickj Sorry that you are going to be late for work. Best is to let Customer Relations know details ow.ly/TIZqA *jd
View conversation



RIGHT NOW

☁️ 12°

Partly Cloudy · Feels like 12°

NEXT HOUR

Partly cloudy for the hour.

NEXT 24 HOURS

Partly cloudy until tomorrow afternoon.

NEXT 7 DAYS

Drizzle on Sunday through Thursday, with temperatures peaking at 17°C on Saturday.

▶️ Fri Sat Sun Mon Tue Wed Thu Fri Sat Sun Mon Tue Wed



Our Education sessions

- *Transforming Skill Sets to Lead and Manage Change* Monday, Jan. 25; 1:30 pm.
- *Data Analytics / Occupant Engagement and the Road to Self-Managing Buildings* Tuesday Jan. 26; 9:00 am
- *Fourth annual Connection Community Collaboratory, Orlando* Tuesday Jan. 26; 1:30 pm