Introduction
The Singapore Contractors Association together with DDG Glass and PPG Industries, Inc jointly present this seminar to bring together Building Owners, Building Specialists, Engineers, Architects, Consultants and Facilities Managers to gain more knowledge on the history, current and future for facade glass and examples of various projects on how green building materials can help in achieving a more sustainable environment for the glass and building industry.

Seminar Outline
8.30am Registration & Networking
9.00am Welcome Address
9.15am The History, Current and Future for Facade Glass
   By Dr Athey, PhD, International Architectural and Sustainability Manager, Business Development Group, PPG Industries, Inc
10.45am Tea-break & Networking
11.30am Advanced Machineries and Glass Specification during Fabrication, On Site Glass Inspection
   By Mr Paul Nicolas, MBA, B.Sc, B.Eng
   Factory Director, DDG Glass
12.15pm Questions & Answers
1.00pm End of Seminar

Synopsis and Speaker’s Profile
The History, Current and Future for Facade Glass
The Presentation will share on:
- Quick History about Glass / How Float Glass is manufactured, differentiate between good float line/ bad float line/ C2C float line?
- Main: Energy Saving Glass for Façade
- Tint / Low E (Online/ Offline) (Temperable / Post Temperable) and how Low E helps in different climate/ Achieving Greenmark.
- Examples of various project in helping achieving the Greenmark.
- PPG's Post Temperable (Solarban Model)- giving value to the local fabricators and Future Trends of Low E Glass and Others.
Dr Athey, PhD
International Architectural and Sustainability Manager, Business Development Group, PPG Industries, Inc

Dr. Athey works at PPG Industries, Inc. in the Flat Glass International Business Development Group as the International Architectural and Sustainability Manager. In this role, she promotes and demonstrates the energy saving benefits of high performance low emissivity glazing in commercial buildings to owners, developers, and architects. Over a more than 20 year career in glass and coated glass technologies she has worked in R&D and international technology licensing. Her experience/expertise covers new product development and commercialization, optical and thin film characterization, glass and coated glass technology licensing, and technology transfer. She has also developed business plans and marketing/communications brochures for new international business development initiatives.

Dr. Athey’s current work is directed to international commercial construction market owners, developers, architects, and design engineers in the area of energy saving benefits of high performance glass with an emphasis on the ASEAN and MENA markets. This work includes the energy saving benefits of low-emissivity glasses and the role of glass orientation and climate effects on the overall energy savings in a commercial building. Working with architects and façade consultants in the early design stages offers recommendations to utilize the appropriate low emissivity glazing to minimize energy usage for commercial buildings. Through a sponsored staff research position at CMU’s School of Architecture Dr. Athey collaborates with faculty and students in the area of building energy usage with an emphasis on the role of glazing. Utilizing DesignBuilder, EnergyPlus, and Sefaira simulation tools she has worked to identify key glazing parameters affecting energy savings in commercial buildings. Through this collaboration she developed an on-line energy tool to demonstrate the energy saving benefits of high performance glazing as a function of building orientation, building aspect ratio, window to wall ratio (WWR), and lighting control utilizing a large DOE office building in five climate zones.

Dr. Athey has numerous patents and papers in the area of thin film technologies. At the University of Florida she received her undergraduate degree in Mathematics and her Master’s and PhD degrees in Material Science and Engineering. She gives technical and marketing presentations at green building councils, conferences, workshops, and universities. In addition she develops presentations to support customers/clients on glazing properties and performance for new and upcoming commercial projects.

Advanced Machineries and Glass Specification during Fabrication, On Site Glass Inspection

The presentation will share on Fabrication, Machinery, Fabrication Specification and on Site Glass Inspection Issues.

Mr Paul Nicolas, MBA, B.Sc, B.Eng
Factory Director, DDG Glass

Mr Paul Nicolas works at DDG Glass as the Factory Director, his educational qualifications include degrees in Science and Engineering [Hons.] and Master Degree in Business Administration from Monash University, Australia, ISO 9002 Auditing from Quality Pacific, Australia and Certificate IV in Business Management from Box Hill TAFE, Australia.

With more than 30 years operational experience in the glass industry, Paul has gained a thorough understanding of all facets of glass processing; from float hot and cold end operations, through warehousing and into downstream secondary processing including tempering, laminating, double glazing and MSVD coating in both single site and large multisite multinational organizations.

Over this time, Paul has held senior production and operational positions in major glass processing plants in Australia, Thailand, UAE, KSA and now Malaysia. In these roles he has been instrumental in setting up new facilities, recruiting workforces and implementing quality, planning and production systems to efficiently manage the operations and service customer requirements.

SEMINAR DETAILS
Date: 1 September 2015 (Tuesday)
Time: 8.30am – 1.00pm
Venue: NTUC Auditorium, Level 7
No 1 Marina Boulevard
One Marina Boulevard
Singapore 018989
Fee: Complimentary Seminar

*Please note this seminar is not applicable for SLOTs membership renewal
Registration Form

Please fill in print or type clearly on form below, & return your completed form
(Form may be copied for additional participants)

Fax: 6795 2584 / 6793 4401  Tel: 6793 9020

weixuan@scal.com.sg/elene@scal.com.sg

Attn: Ms Tan Wei Xuan/ Ms Elene Yeo

“High Performance Facade Glass & Specification for Commercial Building Applications”

Date: Tuesday, 1 September 2015  Time: 8.30am – 1.00pm

Venue: Level 7 NTUC Auditorium @ No 1 Marina Boulevard, One Marina Boulevard, Singapore 018989

Please register the following person(s) for the above preview:

Name: ___________________________  NRIC/FIN No: ___________________________  Designation: ___________________________

Name: ___________________________  NRIC/FIN No: ___________________________  Designation: ___________________________

Name: ___________________________  NRIC/FIN No: ___________________________  Designation: ___________________________

Name: ___________________________  NRIC/FIN No: ___________________________  Designation: ___________________________

Name of Company: ___________________________  Company Reg No (ROC No): ___________________________

Address of Company: ___________________________  (S) ___________________________

Contact Person: ___________________________  Tel: (Office) ___________________________  (HP) ___________________________

Fax: ___________________________  E-mail: ___________________________

Complimentary Seminar (please tick ☐ accordingly):

☐ SCAL Associate/Ordinary/SLOTS Member
☐ CIJC Member: Please circle – (ACES, IES, REDAS, SIA, SIBL, SISV, SPM)
☐ None of the Above

Agreement & Disclaimers:

By registering for the above preview, I hereby affirm that I understand & abide to the following:

- Seats are limited, registration is on a first-come-first served basis, upon receipt of registration form, unless notified otherwise.
- Walk-in participants will only be admitted on the basis of availability.
- A Confirmation Letter will be sent to me via either fax or e-mail. If I do not hear from SCAL Academy 03 days before commencement of event, I will contact SCAL Academy on Tel: 6793 9020.
- A notice of cancellation must be given at least 3 working days before commencement of the event.
- “No-show” without write in cancellation will be charged a penalty of $30 (unless there is a documented medical emergency).
- Trainer, topic & venue are correct at the time of printing. SCAL Academy Pte Ltd reserves the right to substitute speaker, cancel or change the content, venue & timing of the preview for reasons beyond its control.

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Date