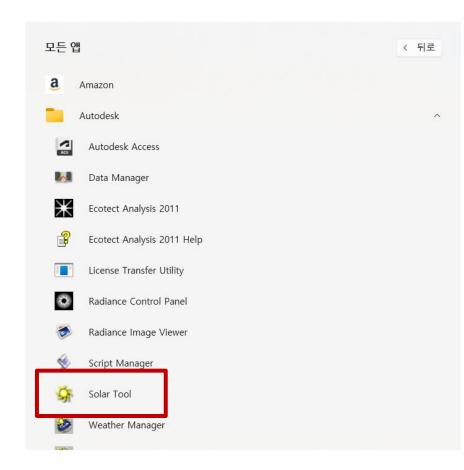
#### **ECOTECT** \_ Solar Tool



- 1. ECOTECT 프로그램설치
- ✓ Serial Number 입력안하고 설치
- ✓처음 프로그램 설치 시 30일 Try버전으로 사용가능

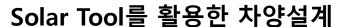




2. 모든앱-Autodesk-Solar Tool열기

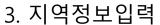


3

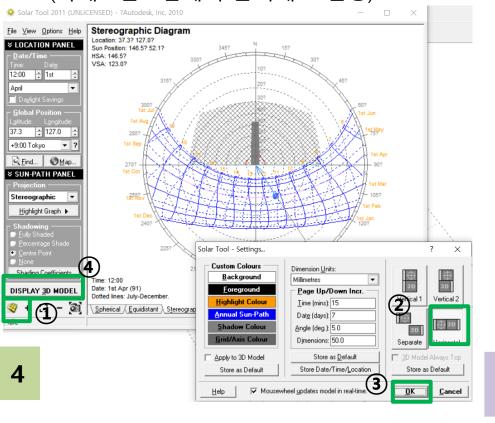


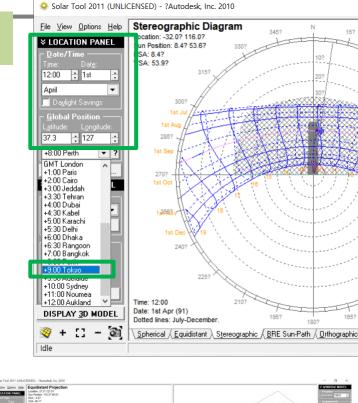
거추화경계회 InVolume lungl

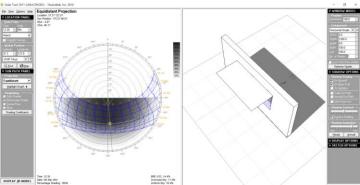
[건축환경계획\_ InYoung Jung]



4. Setting 창에서 선택 후 Display 3D Model 클릭 (아래 4번그림에서 순서대로 진행)

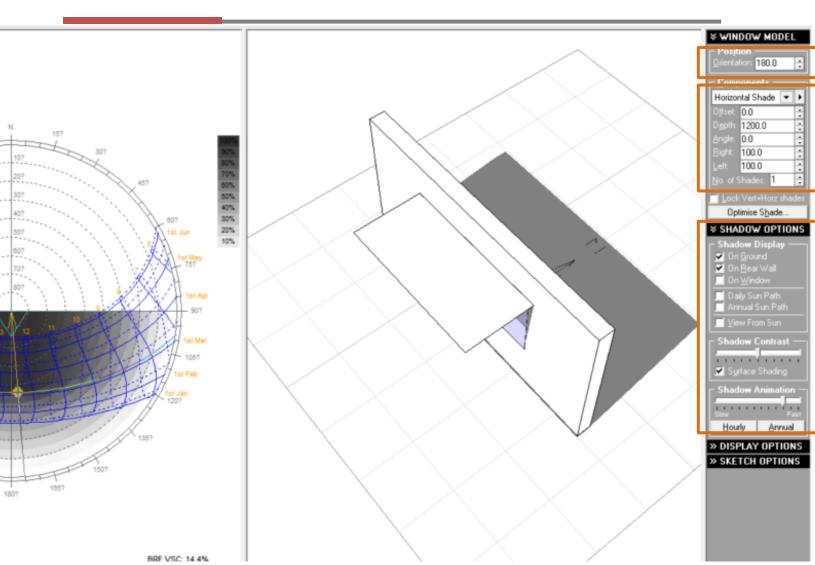






### Solar Tool를 활용한 차양설계

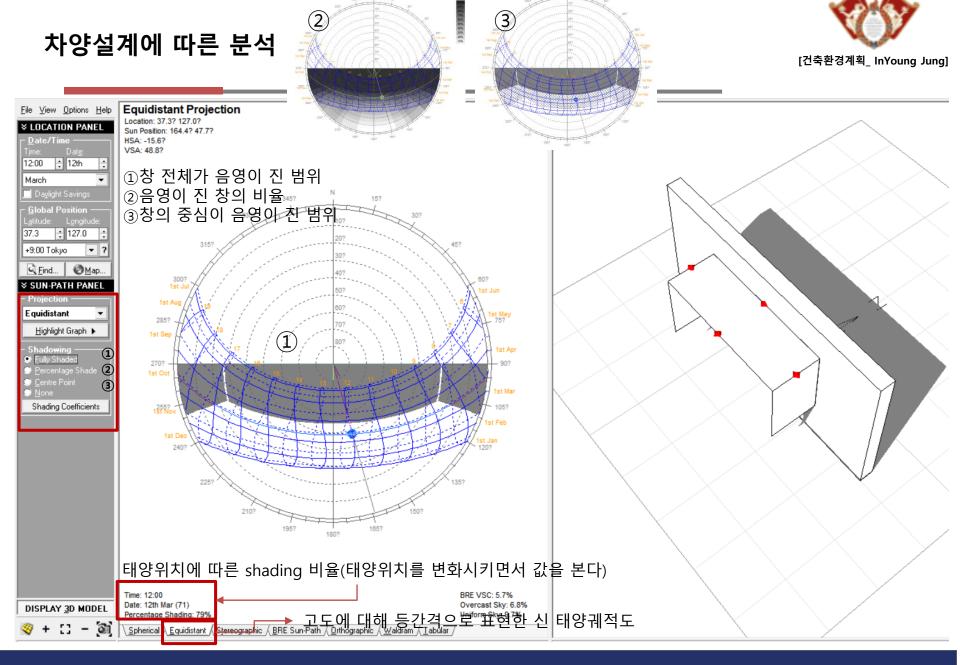




[창방위설정] 0 북, 180 남, 90 동, -90 서

[모델링] 벽체, 창호, 차양 장애물

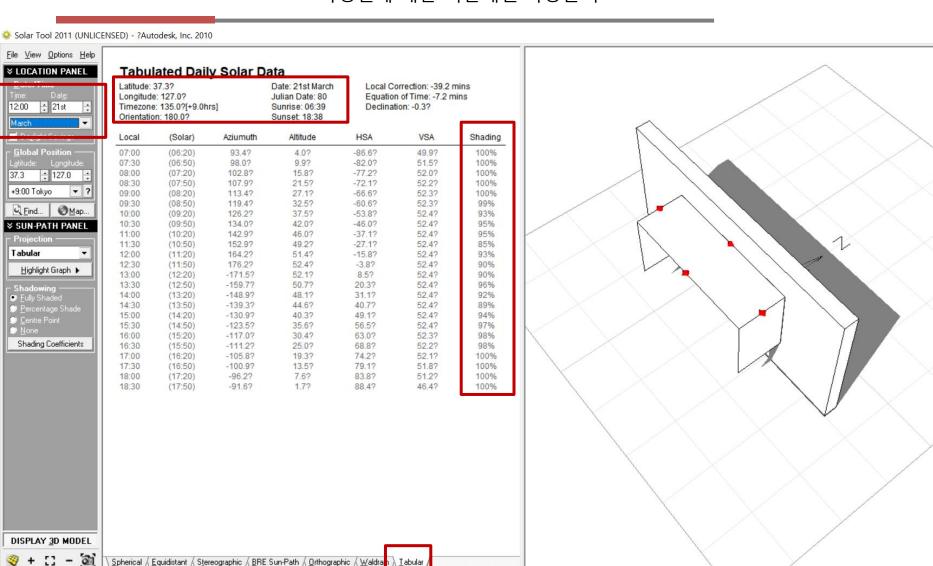
[일영시각화] 일영범위 태양궤적도 일영 애니메이션



## 차양설계에 따른 분석

### √특정일에 대한 시간대별 차양분석







# √차양으로 인한 연간 및 여름철, 겨울철 분석







DISPLAY 3D MODEL

#### **Effective Shading Coefficients**

Latitude: 37.3? Longitude: 127.0?

Timezone: 135.0?[+9.0hrs] Orientation: 180.0?

Month	Avg.SC	Max.SC	Min.SC
January	51.2%	70.0%	40.0%
February	76.3%	100.0%	61.0%
March	97.6%	100.0%	90.0%
April	100.0%	100.0%	100.0%
May	100.0%	100.0%	100.0%
June	100.0%	100.0%	100.0%
July	100.0%	100.0%	100.0%
August	100.0%	100.0%	100.0%
September	93.8%	100.0%	82.0%
October	69.4%	100.0%	50.0%
November	49.2%	70.0%	39.0%
December	41.7%	60.0%	31.0%
Winter Summer	56.4% 100.0%	76.7% 100.0%	44.0% 100.0%
Annual	81.6%	91.7%	74.4%

Spherical (Equidistant (Stereographic (BRE Sun-Path (Orthographic (Waldram) Tabular

