

User Case 3: Using custom 3D glass printing capabilities

Ornithologists investigating Arctic Tern migration, were facing the problem of securely attaching light-weight packages containing a GPS locator on birds. These birds migrate over large distances over different temperature- and UV radiation conditions which made plastic packaging unreliable. They approached KTH Laser Lab to produce 3D printed lightweight SiO_2 glass packaging containing necessary electronics. 3D-glass print facility at KTH laser lab used for this purpose. The design was a joint effort, but the printing was performed by the KTH Laser Lab staff because the users lacked the required laser expertise.

