

**Team logo:**



**(20 s) Slide 1: Title page - Johnathan**

- Introduce the speakers

**(40 s) Slide 2: Subsystems electrical (bottom), drainage (top) - Johnathan**

- Protective separator between current and water (for safety)
- 1. Assembly: anti-slip tract system
  - high coefficient of friction even when wet
  - grated central panel
    - input for melted precipitation
  - multi-component system
    - Modular
    - Easy to maintain
    - Cost effective
      - Minimal replacement cost
- 2. Drainage assembly
  - precipitation(□) input (grates) - precipitation(□) output (pipes to sewer)
    - Safety measure (melted precipitate does not affect the functionality of the device)
      - No ice pooling around the sidewalk
  - regular vs T-sectioned plates
    - Regular = transport of liquefied precipitate through the system
    - T-sectioned = out channel of liquefied percitate into sewers around the campus/city
- 3. Electric current assembly
  - via prong-connectors
  - current runs parallel with device

**(30 s) Slide 3: Full Solution (prototype)**

- Individual Panels
- Heated Electrically
- ON/OFF using two sensors

**(60 s) Live Prototype Demonstration *PART 2* - Thomas**

- **30 s** for pre-recorded video
  - 0.56g/s: melt rate (500g/900s)
- **30 s** for live demonstration of external and internal parts