



Solar Power Plant and Substation Design Project

IOWA STATE UNIVERSITY and BLACK AND VEATCH

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Safety Moment

Carpal Tunnel:

- Carpal Tunnel Syndrome (CTS) is a numbness in the hand caused by a pinched nerve

Impact:

- Over 3 million people are affected by this every year
- CTS can cause numbness and weakness in the hand
- CTS can lead to permanent nerve and muscle damage

Causes:

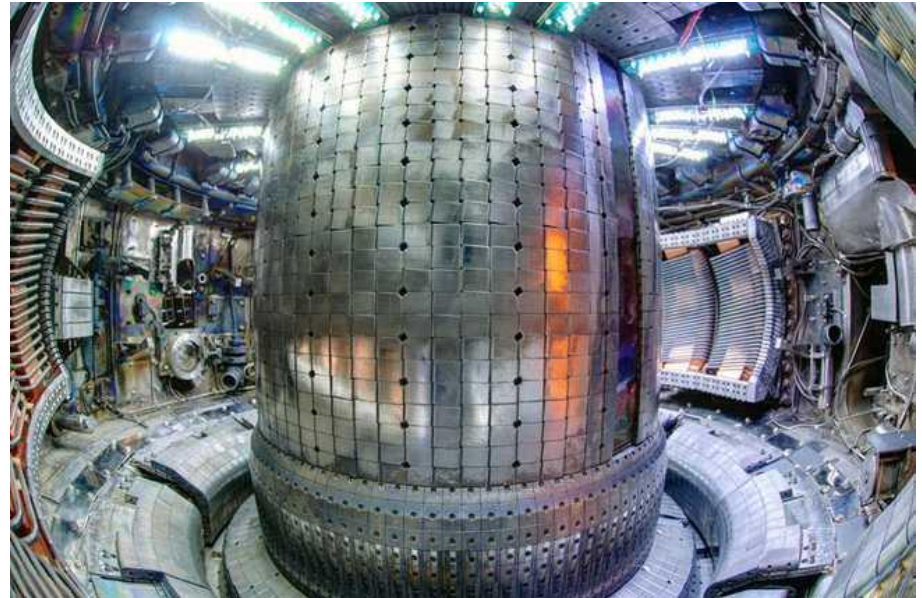
- The median nerve is pinched by the surrounding bones and ligaments
 - Excessive repetitive movements
 - Any kind of wrist injury

Solutions:

- Take breaks from repetitive tasks
- Stretch and elevate your hands when doing repetitive tasks
- Seek medical Attention before it is too late

New Technology

- Commonwealth Fusion Systems --- Tokamak
 - Containment of plasma via magnetic field
 - Problems:
 - Expensive
 - Large scale size
 - 3 year of technology investment in coordination with MIT
 - HTS
 - 2025 Installation/Testing in SPARC Tokamak



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