National Gymnastics Training Centre Innovation Control Centre

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Our Challange

- Gymnastics Ireland would like to develop a new data control centre at the National Gymnastics Training Centre (NGTC) located in the Sport Ireland Campus, Dublin.
  - The challenge is to find a technology solution that will identify an athlete on entry to NGTC, track the athlete around the facility, import data from wearable technologies and synchronise with the tracking data, present customised reports on each athlete training session.

Control Centre Specifics

1. The technology needs to identify and register an athlete when they arrive at the NGTC.

2. The athlete picks up a piece of wearable technology at the NGTC. The control centre which needs to be linked to the athlete ID while they are at the NGTC.

3. The athlete then approaches a particular piece of gymnastic equipment (e.g. floor, Pommel Horse, Parallel Bars etc.), the system needs to log which piece of equipment the athlete is using and at what times.

Control Centre Specifics 2

4. The system must log when an athlete changes their equipment.

5. When the athlete returns the wearable technology, the system must sync the analysis output and break down the session for each piece of equipment used.

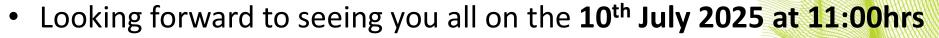6. The system needs to do this for multiple athletes at the same time.

Control Centre Specifics 3

7. The system should have the capability to import data for various types of wearable and equipment-based technologies and products. It needs to be adaptable to accommodate changes and advancements in technology over time.

8. The system should then have an API that exports the data to Gymnastics Ireland central athlete management system.

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Thank you!

- Looking forward to seeing you all on the **10th July 2025 at 11:00hrs**
- Any further information please don't hesitate to reach out to Jonathan@gymnasticsIreland.com

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