



Current Production & Future Plans


Michael Druce
Chief Technical Officer, Nuclear Business

July 2017

Existing Mo-99 Facility

Previous Status	Current Status
4 runs / week	5 runs / week
8 plates / run	12 plates / run
1200 6dCi / week	2150 6dCi / week

August 2016



Current Plant – Facts & Figures

1294 runs since 2009

2 runs per week, **8 plates** per run in 2010

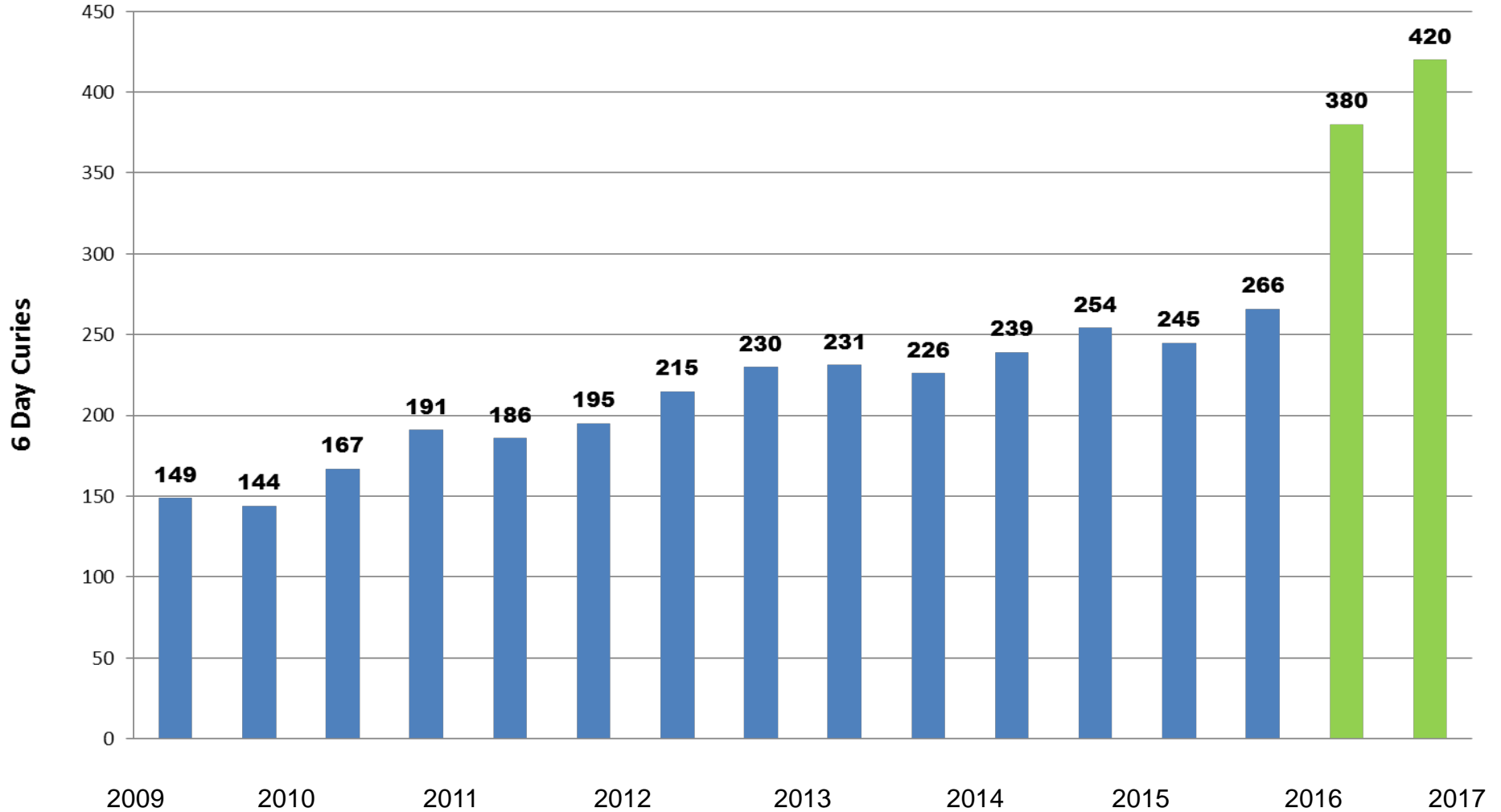
5 runs per week, **12 plates** per run in 2016

Single run record: **580 6-Day Curies**

Weekly record: **2,266 6-Day Curies**

Current Plant Per Run Production

(average 6 months)



ANSTO Nuclear Medicine Project

TWO PARTS

Mo-99 Facility

ANM



Synroc Waste Plant

SyMo



Increased in Mo-99 Capacity

Historical

Building 54

4 runs / week

8 plates / run

280 6dCi / run

1120 6dCi / week

Current

Building 54

5 runs / week

12 plates / run

400 6dCi / run

2150 6dCi / week

Future

ANM

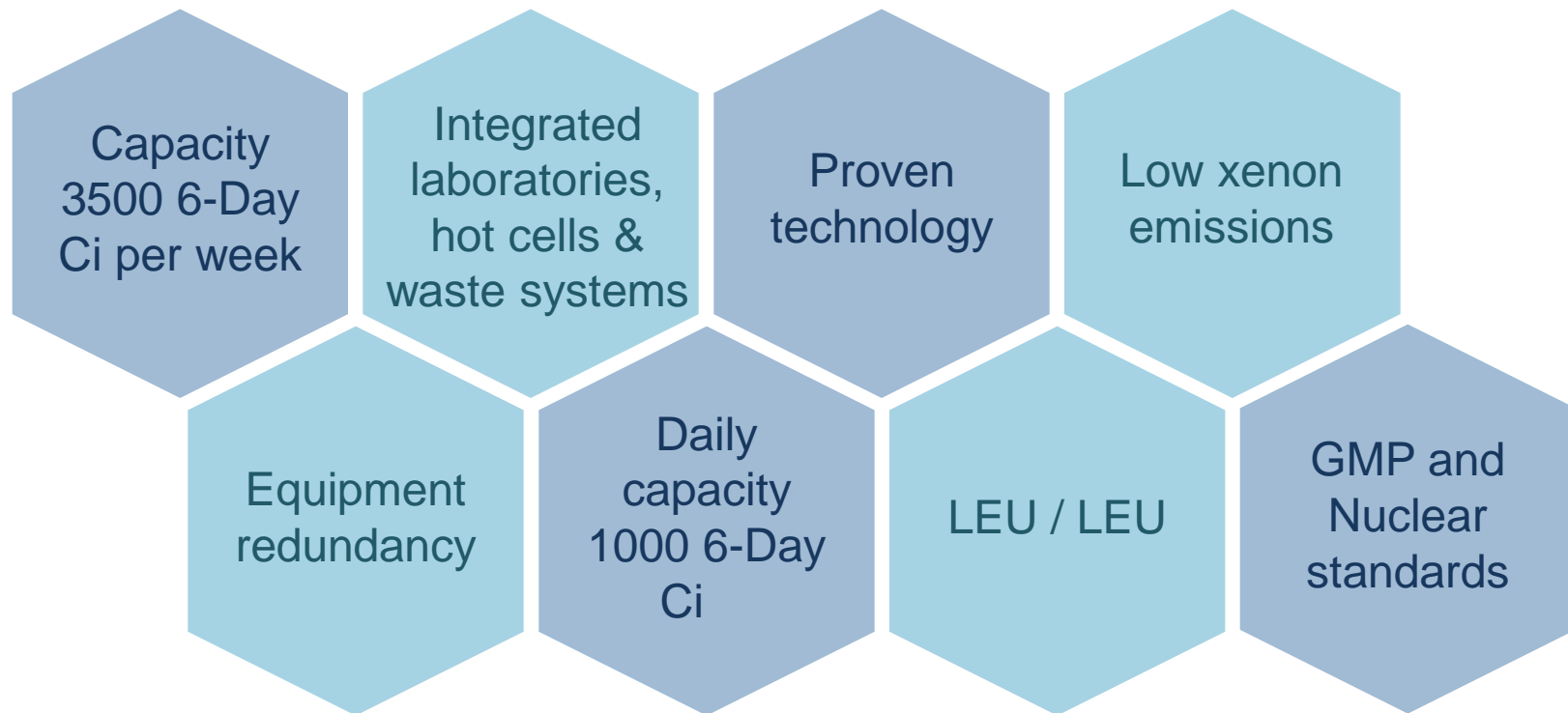
10 runs / week

12 plates / run

350 6dCi / run

3500 6dCi / week

Design Features of ANM



ANSTO - Capacity Increase Timing

Projection of 6-Day Ci Production



Mo-99 Facility Milestones

**Operation
licence**
submission
to ARPANSA



APRIL
2017

**Public
consultation**



JUNE
2017

**Construction
complete**



JULY
2017

**Commissioning
complete**

COMMISSIONING

OCTOBER
2017

**Validation Runs
and Operations**

OPERATING

NOVEMBER
2017

Thank You

