

ATLAS Phase-II Upgrade

270,255.4

6.6%

17,963.5

1

TDAQ

43,305.5

6.7%

2,906.5

1.1 Level-0 Central 1,205.8

1.2 Level-0 Calorimeter 695.5

1.3 Level-0 Muon Endcap 2,556.8

1.4 Level-0 Muon Barrel 1,320.4

44%

581.0

1.5 Level-1 Central 1,933.1

1.6 Level-1 Global 3,389.6

1.7 L1Track 4,191.0

14%

565.8

1.8 FTK++ 13,035.0

14%

1,759.7

1.9 DAQ/Event Filter 14,978.3

0.0%

-

2

ITk

119,582.7

5.3%

6,282.6

2.1 Pixel 41,030.0

13.5%

5,541.6

2.2 Strip 62,557.7

0.0%

-

2.3 ITk Common Mechanics 12,700.0

3.5%

441.0

2.4 ITk Common Electronics 2,920.0

10.3%

300.0

??? TC Infrastructure (tooling below ground) 375.0

375

-

3

LAr

45,985.0

3.1%

1,423.1

4

Tile

8,580.7

7.0%

597.1

5

Muons

34,084.5

17.1%

5,821.4

5.1 MDT 7,692.4

-

5.2 RPC 7,989.1

52.8%

4,221.2

5.3 TGC 4,436.0

0.0%

-

5.4 High-eta tagger 3,500.0

20%

700.0

5.5 Power system 10,467.0

9%

900.2

6

Forward

1,300.0

12%

156.0

7

Integration & Installation

17,417.0

4.5%

776.8