

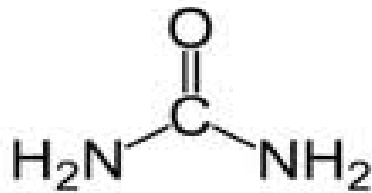


CARBAMIDE PLANT

**Functions and prospects of the Carbamide
Plant in Azerbaijan**

- **“State Programme on Reliable Food Supply of the Population in the Republic of Azerbaijan for 2008-2015” approved by the Presidential Decree No. 3004 dated August 25, 2008**
- **“State Programme for the Development of Industry for 2015-2020” approved by the Presidential Decree No. 964 dated December 26, 2014**

INFORMATION ABOUT UREA



- Colorless chemical substance
- Quickly dissolves in the water
- 46.4% Nitrogen content
- Can be produced as granules, large granules, powder and solutions
- Primarily used as a fertilizer in agriculture
- Other areas of use - cattle-breeding, chemical industry, medicine, etc.

CONTRACTS

- **March 2013** – EPC Contract with Samsung Engineering Co., Ltd. (South Korea)
- **August 2013** – License agreements with Haldor Topsoe A/S (Denmark) and Stamicarbon B.V. (Netherlands)
- **May 2015** – Project Management Consultancy Agreement with Neste Jacobs Oy (Finland)

PLANT MODEL

Main product
Granular urea

Liquid ammonium

Raw, demineralized, fire
and potable water
reservoirs



Power S/S

Urea area

Automated control center

Ammonium area

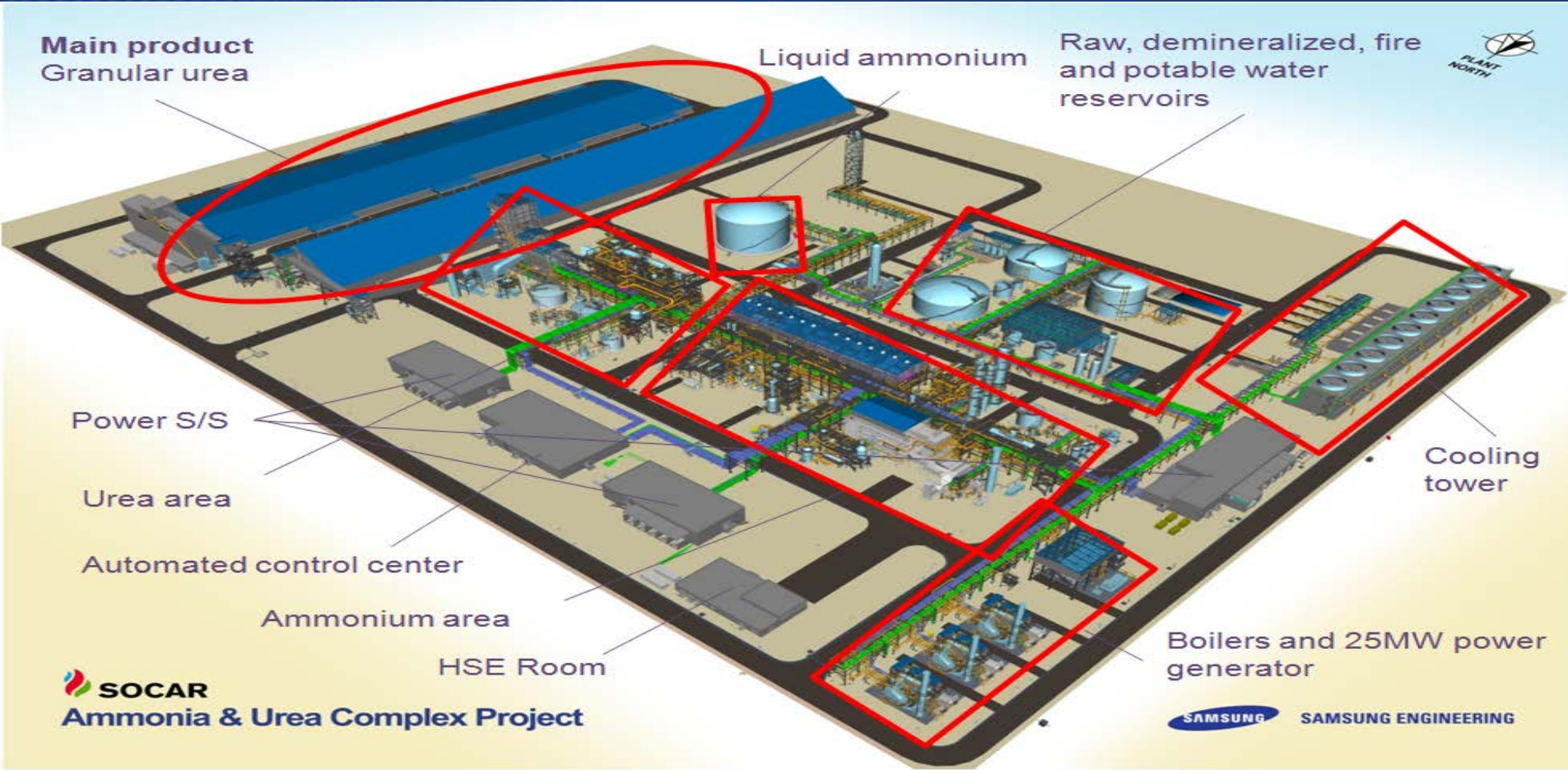
HSE Room

Cooling
tower

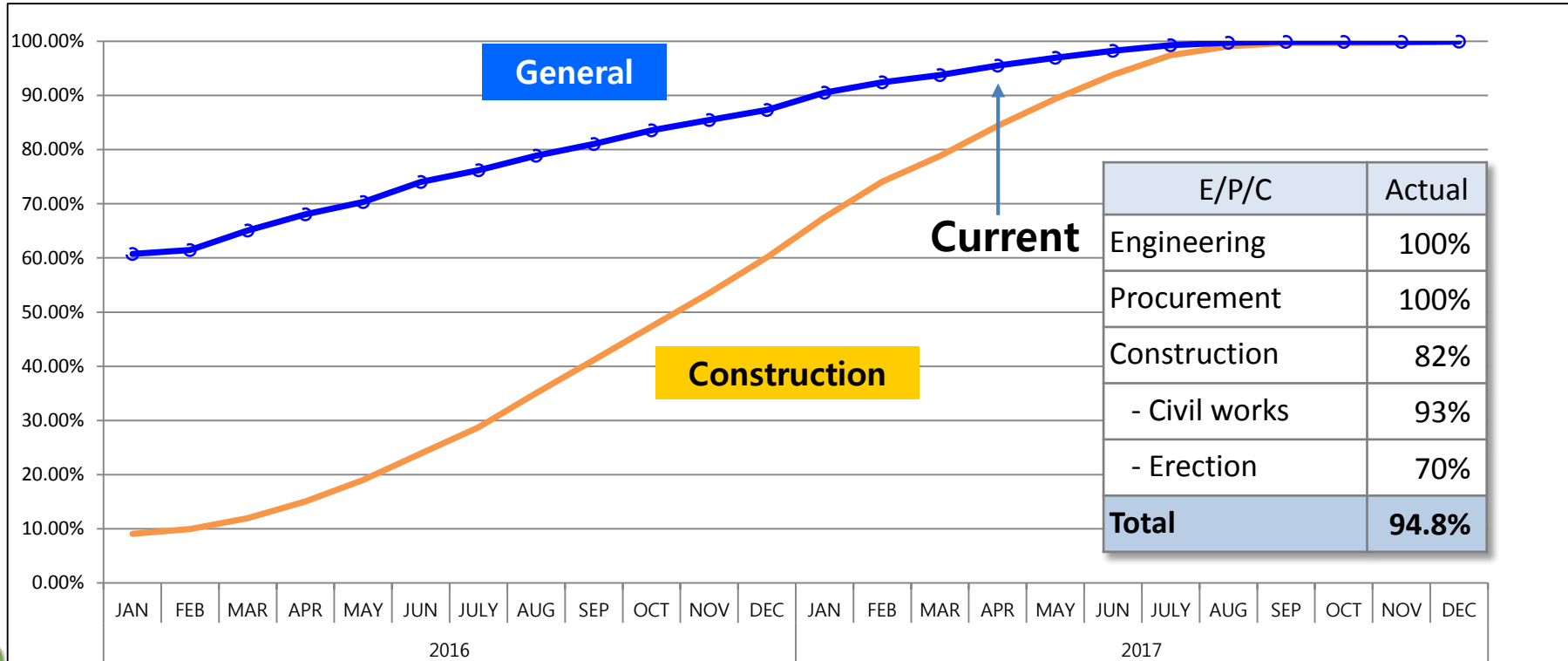
Boilers and 25MW power
generator

 **SOCAR**
Ammonia & Urea Complex Project

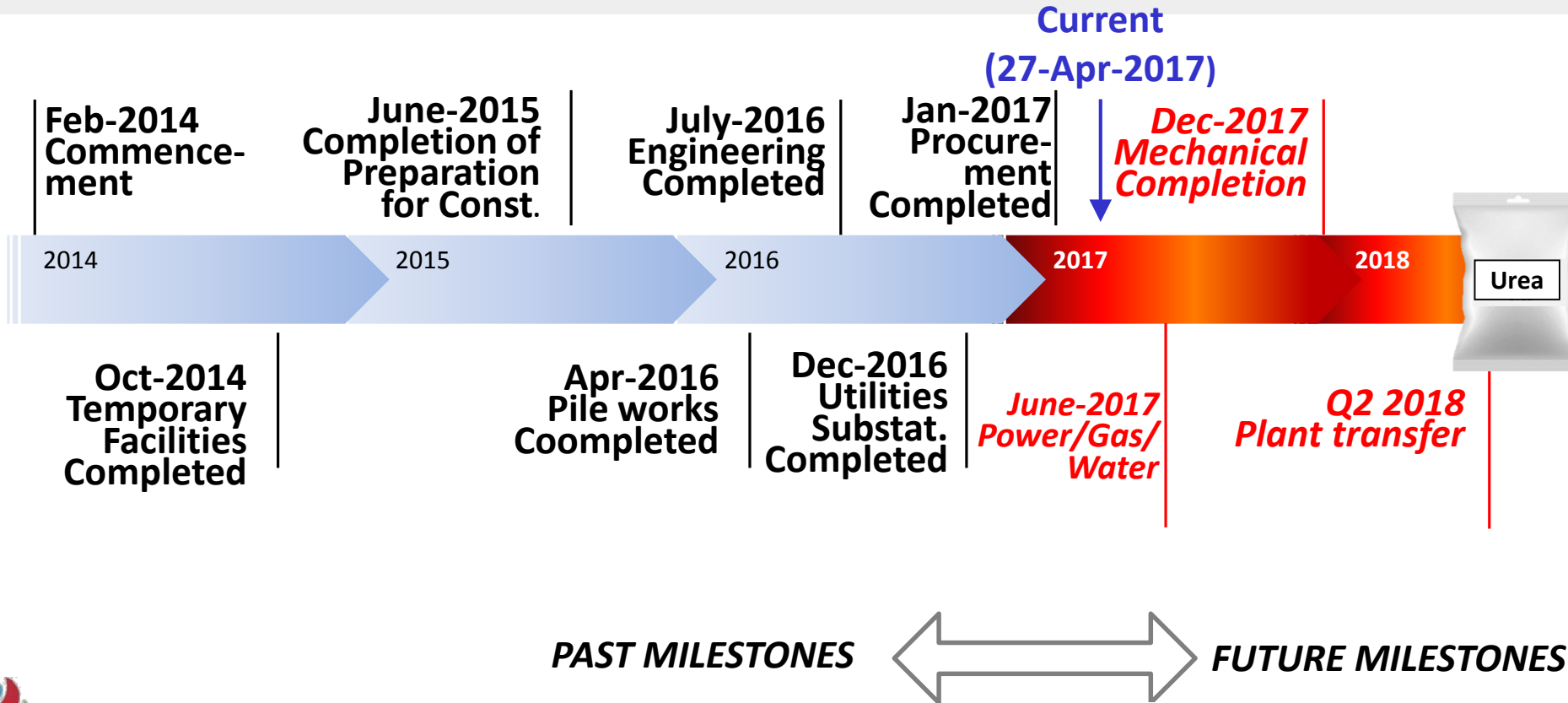
 **SAMSUNG ENGINEERING**



PROGRESS



MAJOR MILESTONES



PAST MILESTONES



FUTURE MILESTONES

Health, Safety, Environment

10,000,000 Safe Manhours

| | | | | |
|-----------------|------------------|------------------|-------------------|-------------------|
| Manhours | 1,000,000 | 4,000,000 | 10,000,000 | 15,000,000 |
| Achieved | Mar. 2016 | Oct. 2016 | Apr. 2017 | Jan. 2018 |

EMPLOYMENT AND TRAINING

Employment:

- **Construction period** - 2500-3000 employees
- **Operational period** - 300-350 employees

Training:

- SOCAR Education and Training Centers
- Training by Samsung and Licensors
- Operator Training Simulations
- Training at foreign nitrogen fertilizer plants

LONG-TERM FINANCE

EUR 500 mln Loan

251 mln EUR



249 mln EUR



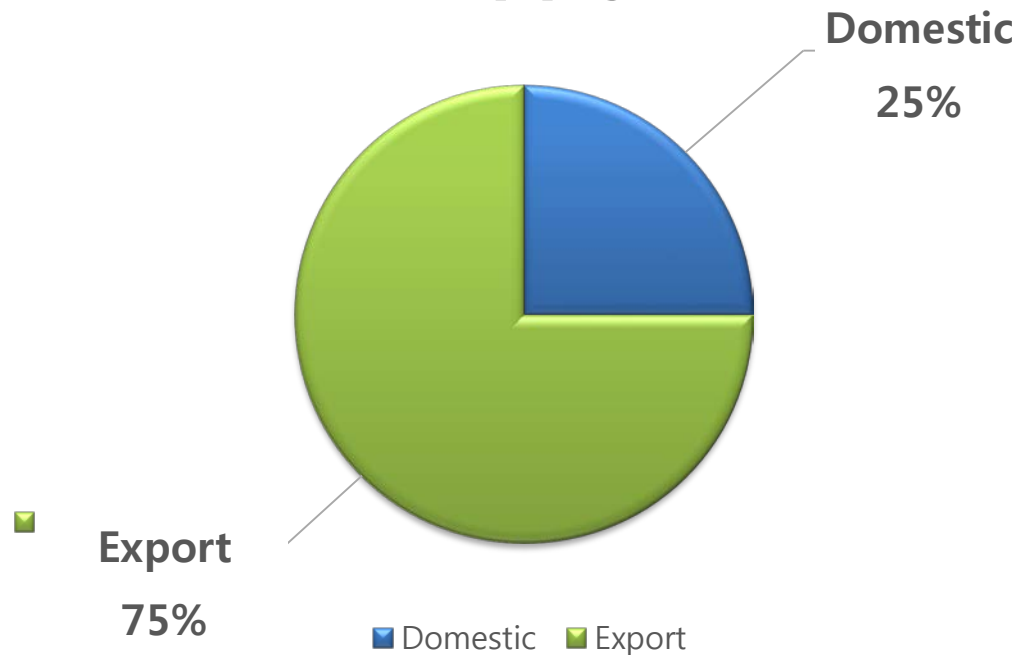
SUPPLY

Urea: 650-660k tons p.a

Export directions:

- Turkey
- Georgia
- Black Sea
- Mediterranean Sea

Supply



Thank you!