Fabrication Market Outlook

Fabrication: The Unique Factor in the Fuel Cycle – 2019 Report

A Global Review and Analysis of the Fuel Fabrication Markets

UxC, LLC (UxC) is pleased to present the 2019 Fabrication Market Outlook (FMO), which is the 13th annual edition in this series. This year's report examines how fabrication fits into the broader nuclear fuel cycle as it relates to utility fuel procurement and what recent and future trends might affect how fabrication will fit into the bigger fuel picture in the years to come. This discussion includes detailed reviews of the share of reactor operating costs associated with nuclear fuel procurement, and specifically fuel fabrication, and how these costs are likely to trend in the future.

UxC’s team of experts in the fuel fabrication industry have prepared this comprehensive and up-to-date report addressing the commercial, economic, institutional, and technical aspects of this sector. Fabrication's high technical content, need for regulatory approval, and the restriction of fuel assemblies to specific reactors require a unique approach to its market analysis.

To those with little knowledge of fuel fabrication and its markets, this report provides a solid background of how these markets function. To those knowledgeable in the fundamentals, it offers analyses of a variety of its aspects based on decades of participation. To those actively involved in the industry, it supplies updated analysis to assist in developing, implementing, and improving nuclear fuel programs.

What's New in the 2019 FMO?

The 2019 FMO report builds on the content and format adopted in previous years, and of course, all of the discussions and analyses have been updated to reflect the events of the past 12 months. This edition also incorporates numerous improvements to the structure and format of the FMO report.

This year's essay, titled "How Fabrication Fits Into the Bigger Fuel Picture," examines the role that fuel fabrication plays in terms of utility operating and fuel cycle costs and also what recent and near-term new industry trends will affect the way that fuel fabrication fits into utility fuel cycle and procurement considerations.

We have conducted our eleventh annual survey of international utility attitudes toward the fabrication market on many topics. Additional supplier insights have also been gained from research and interviews of the major fabrication vendors.

This year's demand projection is again based on the UxC Requirements Model, which takes UxC's proprietary forecasts for nuclear power growth and calculates demand on a reactor basis. The model has been refined to produce even more accurate forecasts, and our forecasts again extend through 2035.

As in the past, the focus of the report is fuel for Light Water Reactors (LWRs), i.e., Boiling Water Reactors (BWRs) and Pressurized Water Reactors (PWRs), including VVER designs; but we also include updated discussion of fabrication for pressurized heavy water reactors (PHWRs), gas-cooled reactors in the UK (AGR), and light water cooled, graphite moderated reactors (LGR) in Russia (e.g. RBMKs). We also analyze the fuel market for small modular reactors (SMRs).

The 2019 FMO report provides updated fabrication vendor profiles, including discussions of their latest ownership and organizational structures, fuel design and technology developments, marketing efforts, as well as future prospects.

In addition to presenting the supply and demand data through 2035, our 2019 report includes specific year-by-year fabrication price forecasts to 2035, including discussion of the many factors influencing fabrication prices. Additional detailed analysis is included on regional and fuel-specific markets with specific focus on recent market developments related to changes in vendor situations as well as shifting demand trends.

An updated FMO Reference Document is also provided to make the FMO more user-friendly and to reduce the total volume of the main report. The Reference Document includes portions of previous FMO reports that are considered reference materials and have remained relatively constant over the years.

Pricing
The Fabrication Market Outlook can be purchased for US$5,000.00. Discounts may be available for existing subscribers to UxC's other Market Outlook report packages. An order page is available for ordering this report.

**Standard Features**

Chapters in the 2019 FMO include:

1. Essay: How Fabrication Fits Into the Bigger Fuel Picture
2. Reactor Developments and Demand Outlook
3. Results from UxC Utility Fabrication Market Survey
4. The World's Nuclear Fuel Fabricators
5. Supply and Demand Analysis
6. Global and Regional Market Analysis
7. Nuclear Fuel Fabrication Prices
8. Non-LWR Fabrication Markets

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