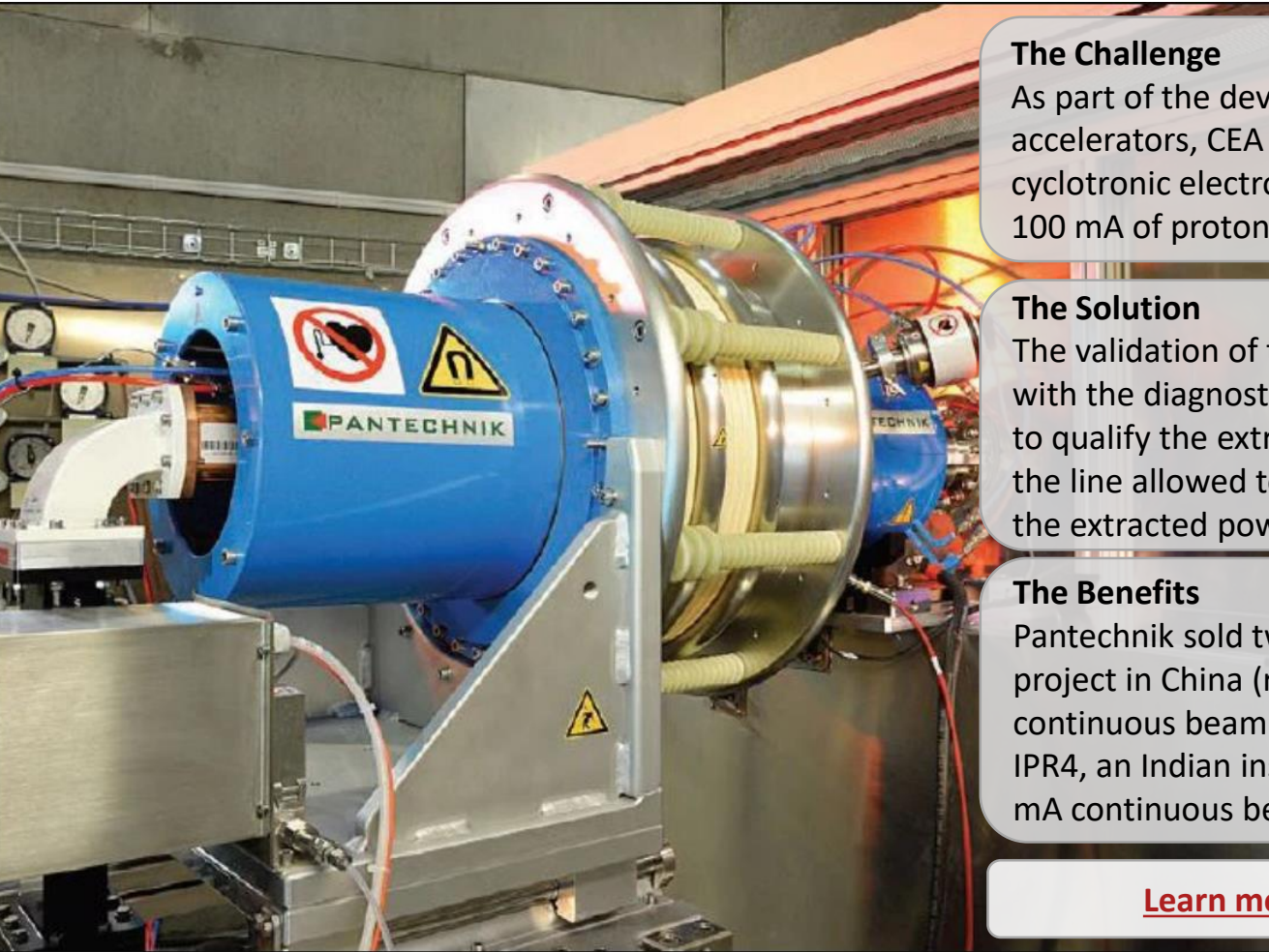


# The successful test of the first two Ions sources SILHI2<sup>®</sup> built by Pantechnik



## The Challenge

As part of the development of high-intensity accelerators, CEA initiated the development a new cyclotronic electron resonance ion source producing 100 mA of protons at 100 keV : the SILHI2<sup>®</sup> source

## The Solution

The validation of the characteristics of each source with the diagnostics of the [BETSI test bench](#) allowed to qualify the extracted power and the transport in the line allowed to estimate the purity in protons of the extracted power.

## The Benefits

Pantechnik sold two similar sources, one to the HINEG project in China (requested performance: 50 mA continuous beam at 60 kV) and one for a project at IPR4, an Indian institute (requested performance: 30 mA continuous beam at 40 kV).

[Learn more about this collaboration](#)