

Quality process design to change radiodiagnostic equipment to minimize the impact on waiting lists in a public health imaging diagnostic provider

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2021

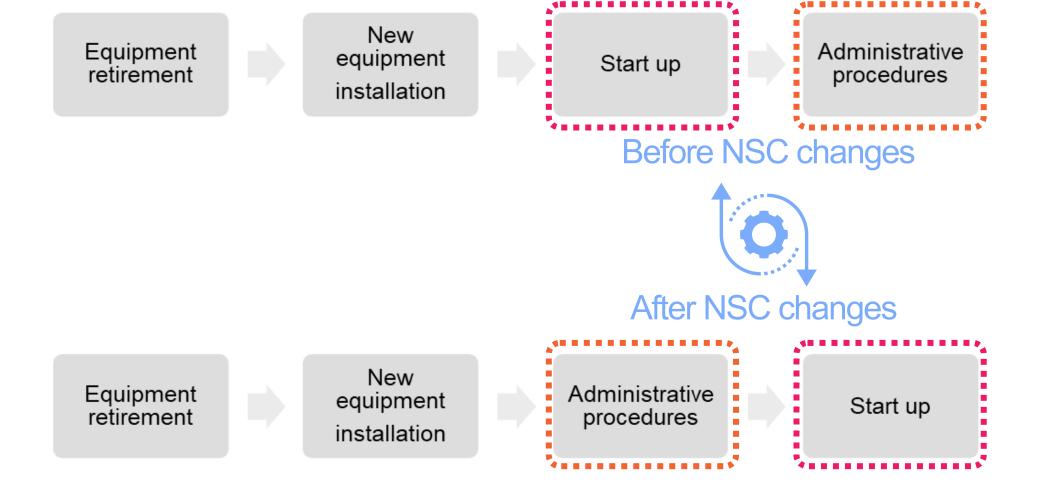


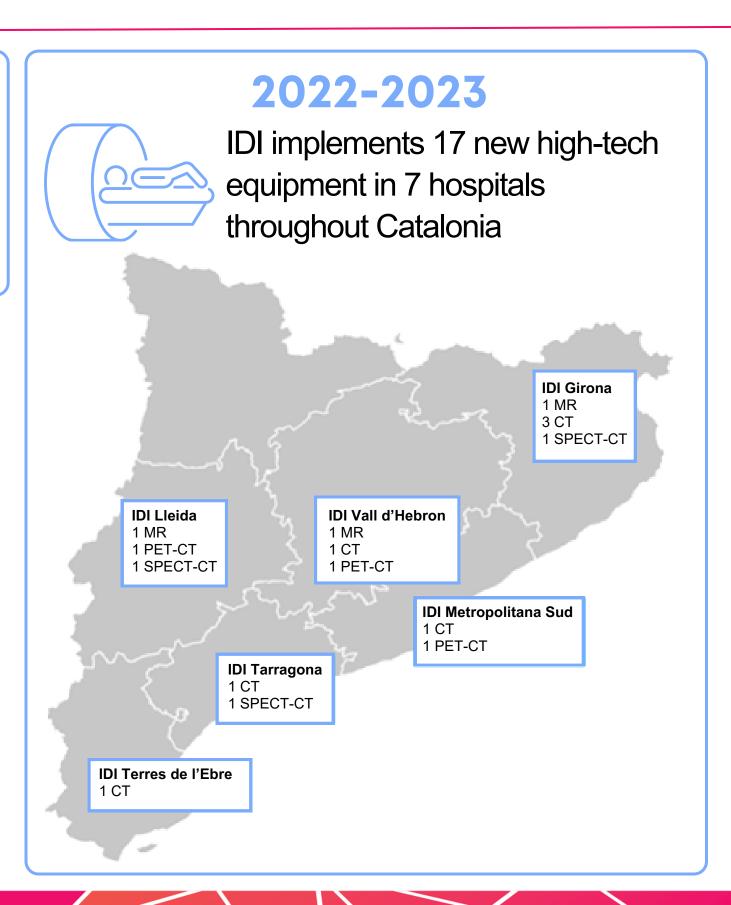
Spanish INVEAT plan to reduce obsolescence of the National Health System image technological park

2022



Nuclear Safety Council (NSC) new regulations affects IDI INVEAT implementation process





How do these changes affect the INVEAT implementation process?



INVEAT deadlines

- Operational equipment by 30th september, 2023
- Possibility of delay waiting for administrative authorization



Waiting lists

- The equipment is ready for use but no medical activity can be performed
- Backlog of tests and longer waiting time for appointments



Patient Care

- Discomfort due to delays in tests scheduling
- Referral of tests to external centers

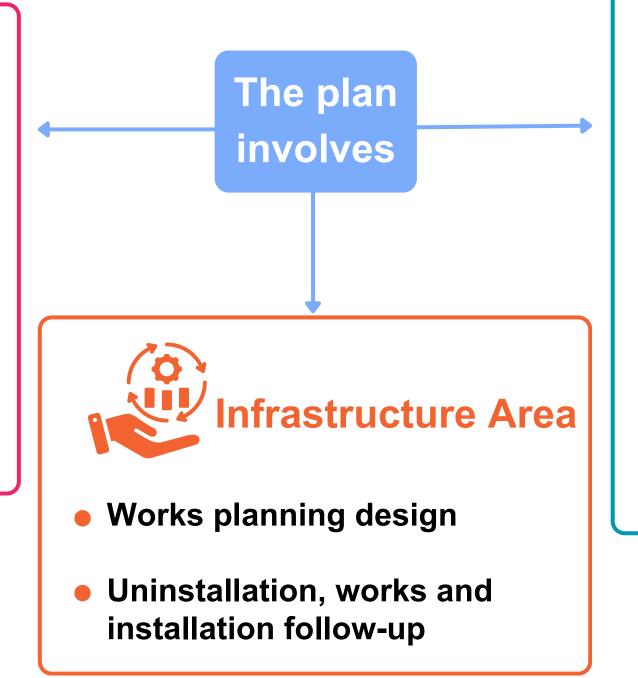




Redesign IDI INVEAT plan to minimize its impact on care performance



- Acceptance tests
- Radiation level control
- Installation conformity certificate
- NSC administrative procedure





- Old equipment uninstallation
- Premises adaptation and works
- Equipment installation
- Equipment registration paperwork
- Staff training



Before redesigning: equipment retirement and installation process





Actions implemented (I)



Agile communication system between areas involved

Radiological Protection Area



Infrastructure Area





Real-time information of works status

Collection of documentation during the process and not at the end of the process



Destruction certificate

Documentation collection for equipment registration

NSC administrative procedure













Actions implemented (II)



Greater involvement of stakeholders

External stakeholders



Sales and technical assistance companies
Radiophysics and radiation protection services



Commitment to reduce work time

Less documentation preparation time after equipment installation



day reduction

Uninstallation



Equipment removal



Documentation collection for equipment registration





Actions implemented (III)





Radiological Protection Area



Infrastructure Area





Work plan redesign

Definition of incoming documentation flow

Paperwork reduction and signature forms



NSC administrative procedure

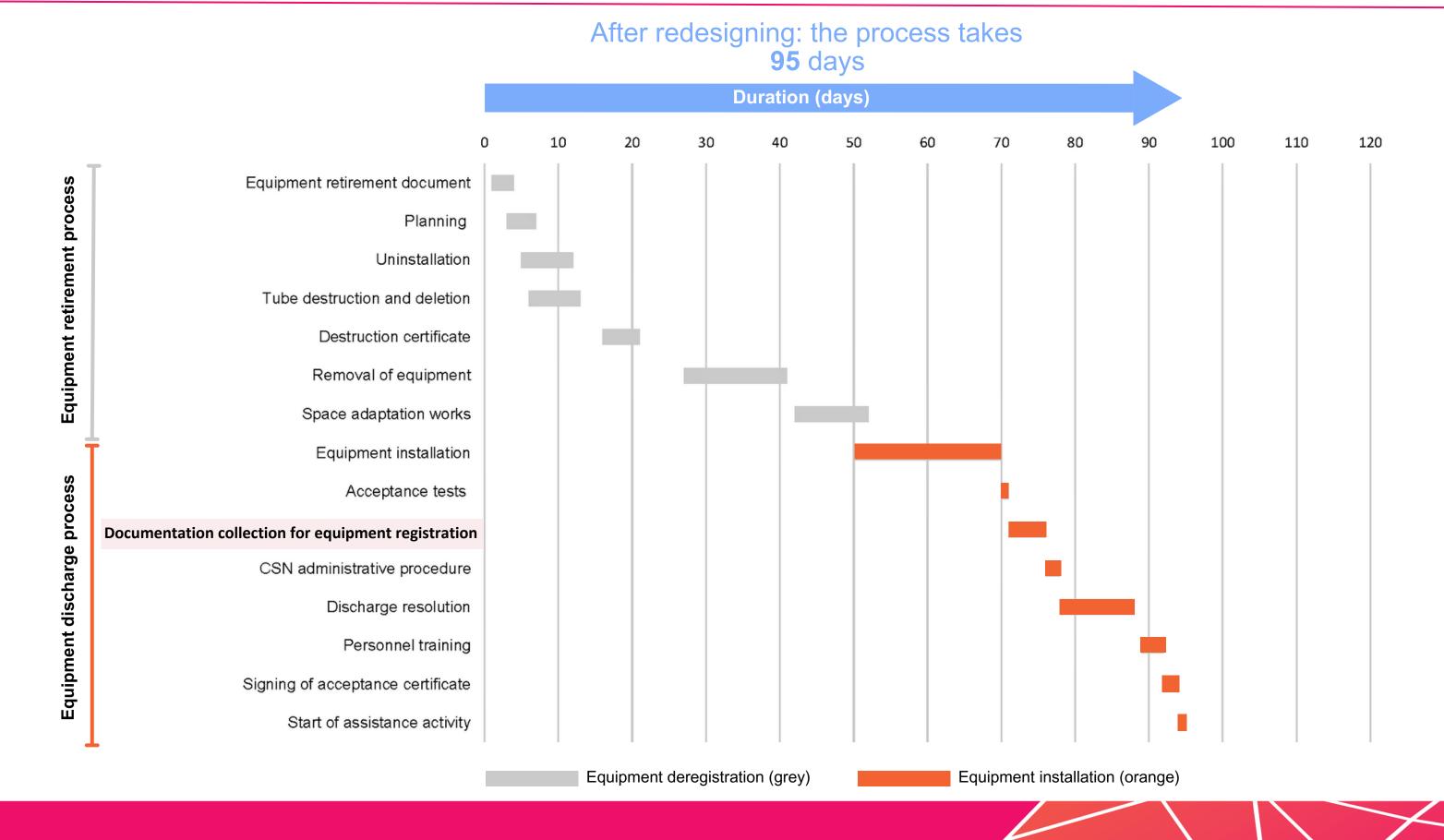


day reduction





After redesigning: equipment retirement and installation process

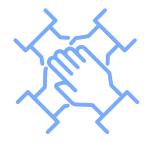




The redesigned process:



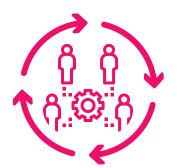
The whole process of deregistration, removal, installation and start-up was shortened by 22 days



Improved communication and team building



Critical points that can affect the flow of the process:



Interdependence between the parts involved



Most of the documentation required depends on external companies