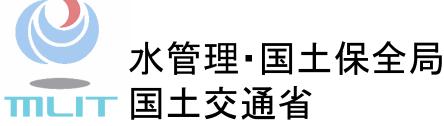
我が国の先進的な治水技術 -運用しながらのダム再生-

我が国では、コスト・エ期・環境負荷の抑制を可能とす る先進的な技術を用い、ダムの再生を進めています。



鶴田ダム 管理開始:1966 再生事業開始:2006





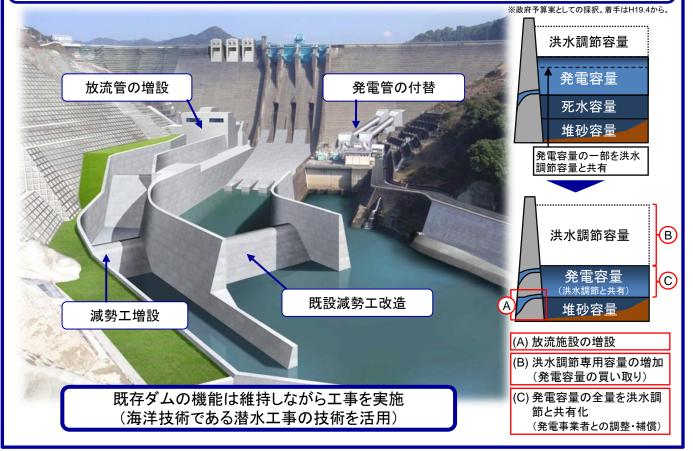
これらのほか、環境対策機能向上、堆砂対策に関する技術・経験も保有しています。

鶴田ダムの再生事業 ~ ダム再生の事例~

鹿児島県の川内川では、2006年7月の記録的な豪雨により、流域全体で約 2,777haが浸水し、2,347戸が被害を受ける大規模な水害が発生しました。



これを受け、3ヶ月後の10月より河川改修事業に着手するとともに、5ヶ月後の12月に鶴田ダムの再生事業を採択※しました。







【お問合わせ】 国土交通省 水管理・国土保全局 治水課 〒100-8918 東京都千代田区霞が関2-1-2 中央合同庁舎3号館1階 TEL:03-5253-8452

Advanced Technologies for Upgrading Dams under Operation

Many dams under operation have been upgraded with advanced technologies, which enable to reduce <u>COSTs</u>, <u>CONSTRUCTION PERIODs</u> and <u>EMVIRONMENTAL IMPACTs</u>.



Tsuruda Dam operated since 1966 upgraded since 2006



Water and Disaster Management Bureau Ministry of Land, Infrastructure, Transport and Tourism, Japan



Points of Upgrading Dams in Japan

Comprehensive water management realize following activities Unity of command for water resources and against floods Planning Agile and concentrative investment by national expense on large disaster risk management projects. Change from a part of volume for water resources to for flood control. Coordinating Capacity for **Flood** Capacity for **Flood** Agricultural Use River projects River improvement River burdening Flood control channel Constructing Dam projects Building dams Upgrading dams (flood control, hydroelectric power etc) Accumulating knowledge into National Institute for Land and Accumulating Infrastructure Management and Public Works Research Institute Key technologies of upgrading dams Marine Technologies Drilling Technologies Divers perform tasks in the reservoir Ikari Dam Tsuruda Dam Increasing capacities Tunnel Technologies (flood control, hydroelectric power etc) Tunnel

We also have skills to reduce water environment impacts and manage sediment.

Amagase Dam

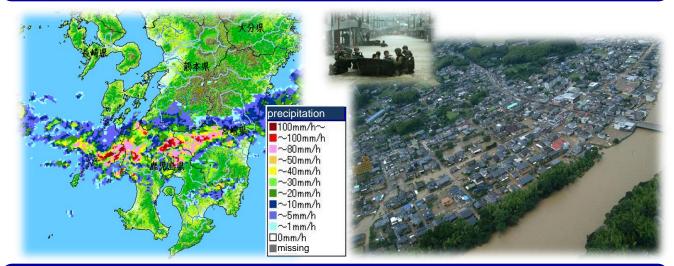
Tsugaru

New dam

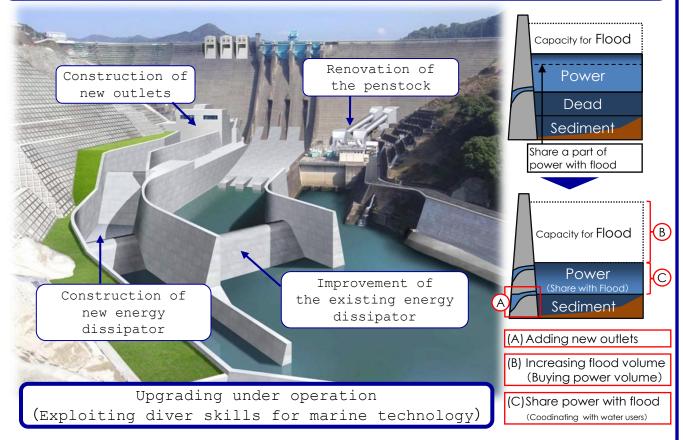
Old dam,

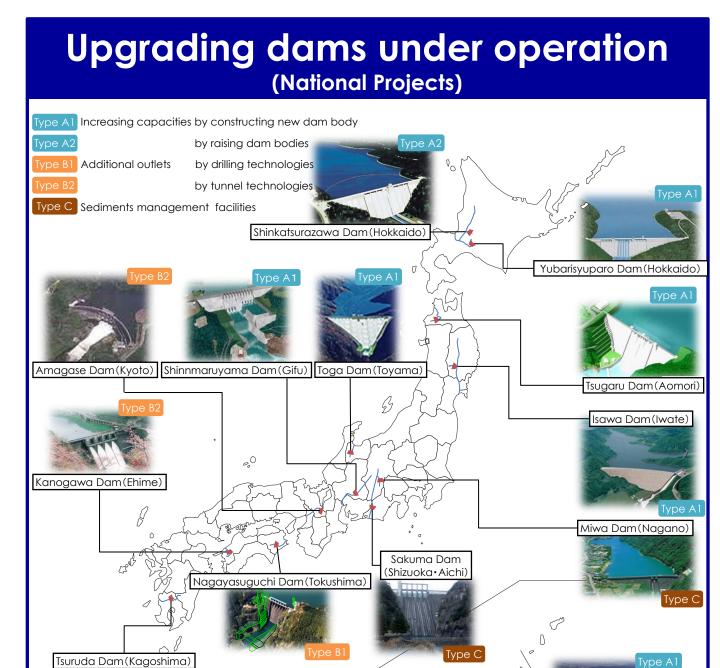
Upgrading Tsuruda Dam

A large flood happened in Sendai river(Kyushu) in July, 2006. About 2,777ha area was flooded and 2,347houses were damaged.



Comprehensive flood control measures were performed within half a year. River improvement projects started within 3 month. Upgrading Tsuruda Dam applied within 5 month.





(Contact Information)

Tomoo INOUE, Director for Water Management Coordination Yoichiro IBI, Assistant Manager River Planning Division, Water and Disaster Management Bureau, Ministry of Land, Infrastructure, Transport and Tourism, JAPAN tel: +81-3-5253-8444 fax:+81-3-5253-1602

Okukubi Dam (Okinawa)